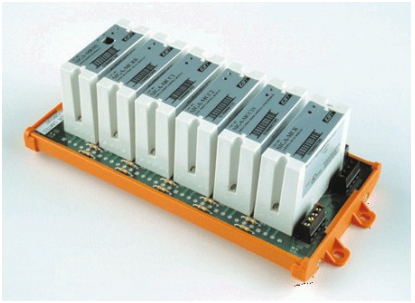
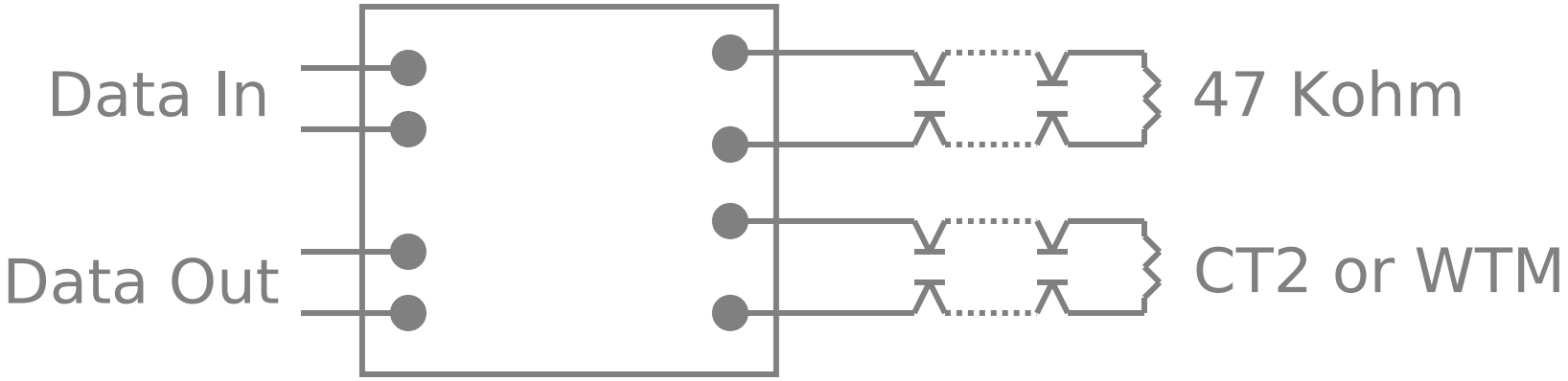
Signature Modules

Input / Output

Electrical Box Mount / UIO Style



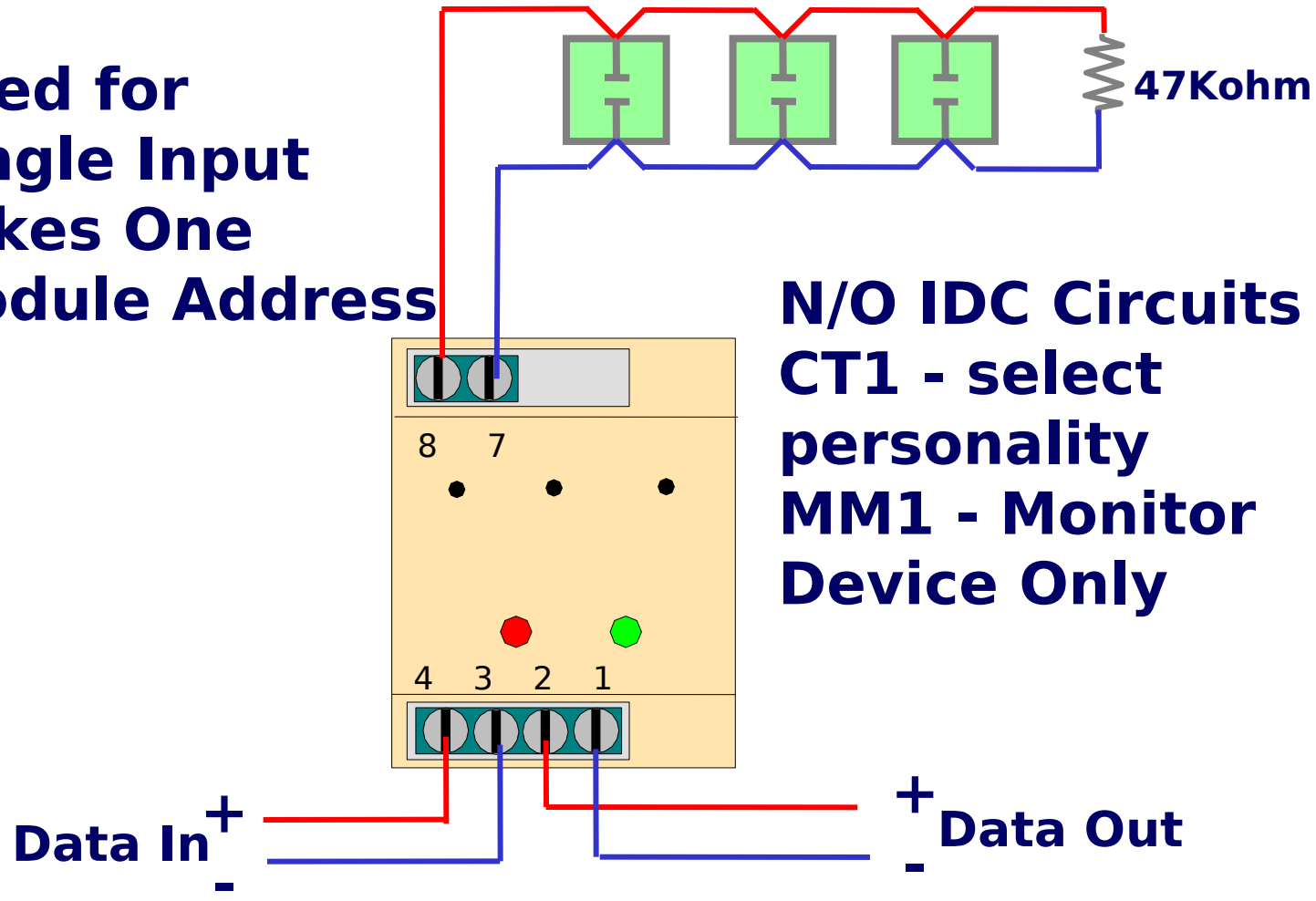
Input Module Connections



- **SIGA-CT1 has ONE input circuit**
- **SIGA-CT2 has TWO input circuits**
- **Normally Open Contact Devices Only**
- **Class 'B' Wiring Only**

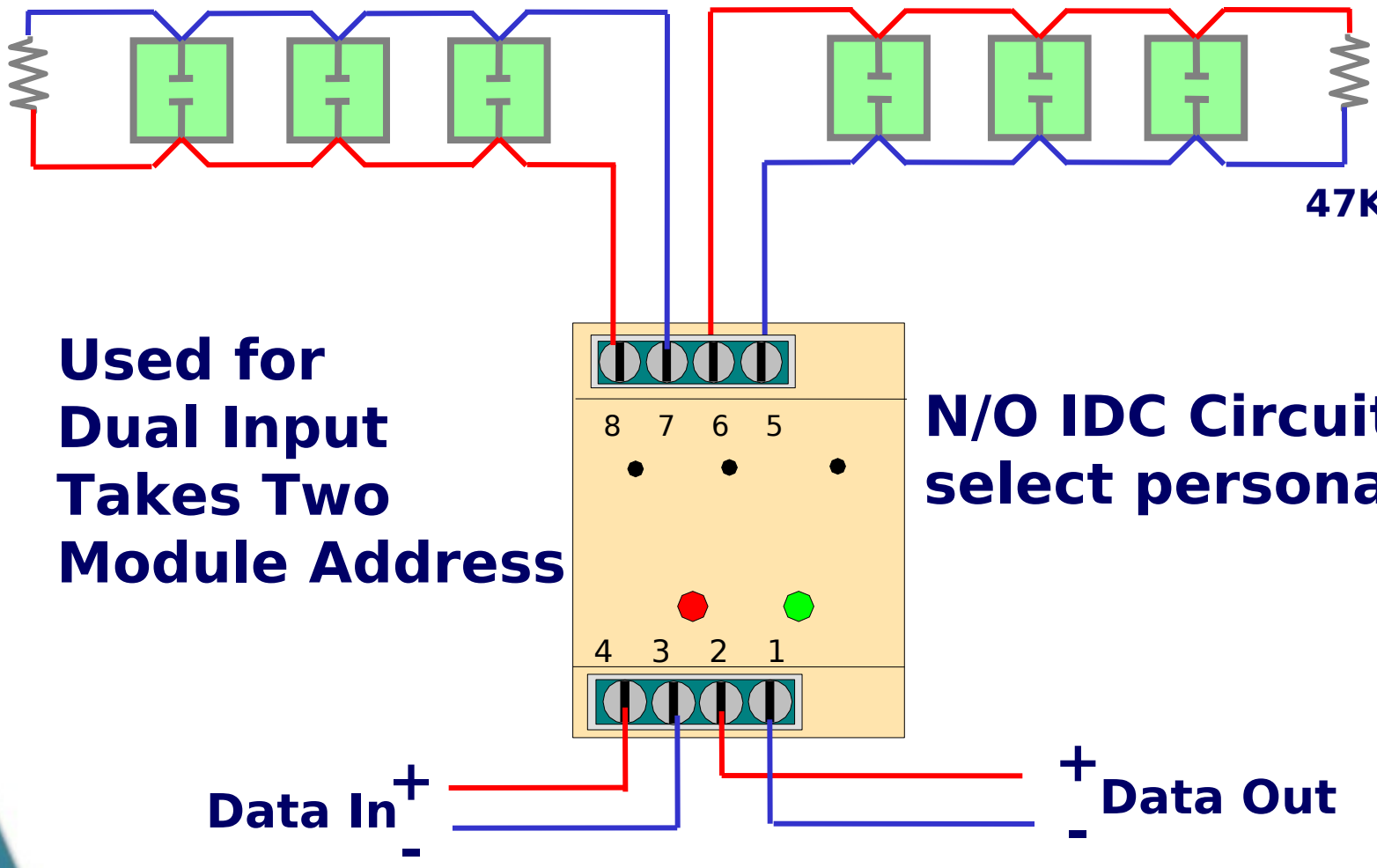
SIGA-CT1 OR MM1 Wiring Diagram

Used for Single Input Takes One Module Address

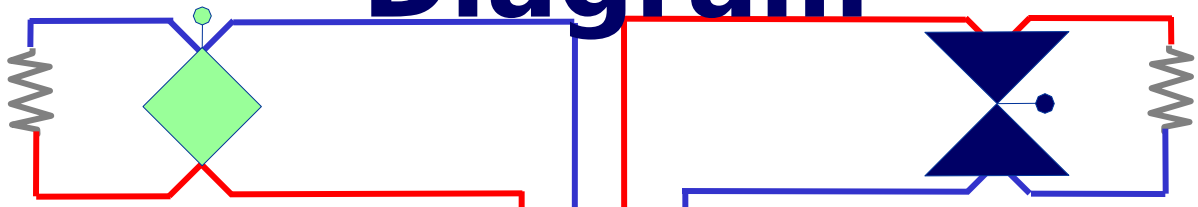


N/O IDC Circuits
CT1 - select personality
MM1 - Monitor Device Only

SIGA-CT2 Wiring Diagram



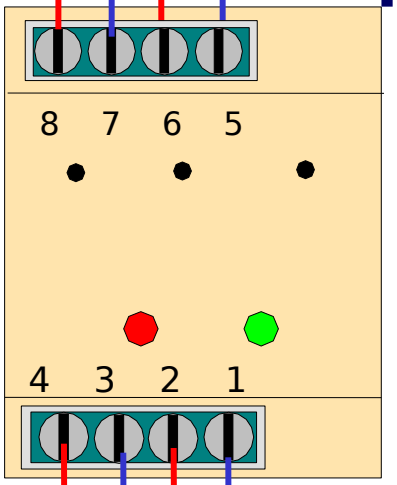
SIGA-WTM Wiring Diagram



Waterflow Switch
i.e. Vane Type

Supervisory Switch
i.e. Gate Valve

Input 1
Personality
Code 2



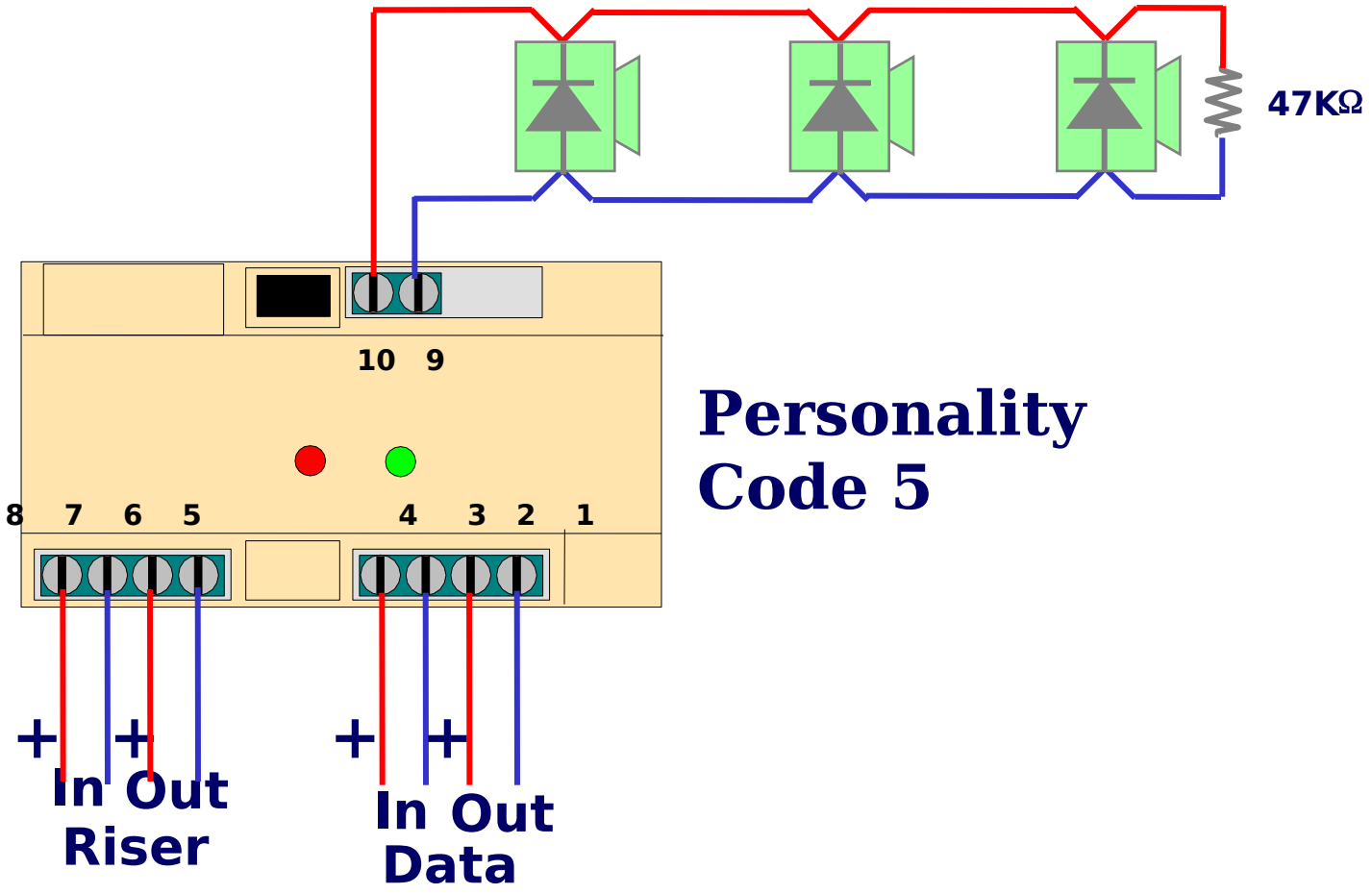
Input 2
Personality
Code 4

Takes Two
Module Address

Data In + -

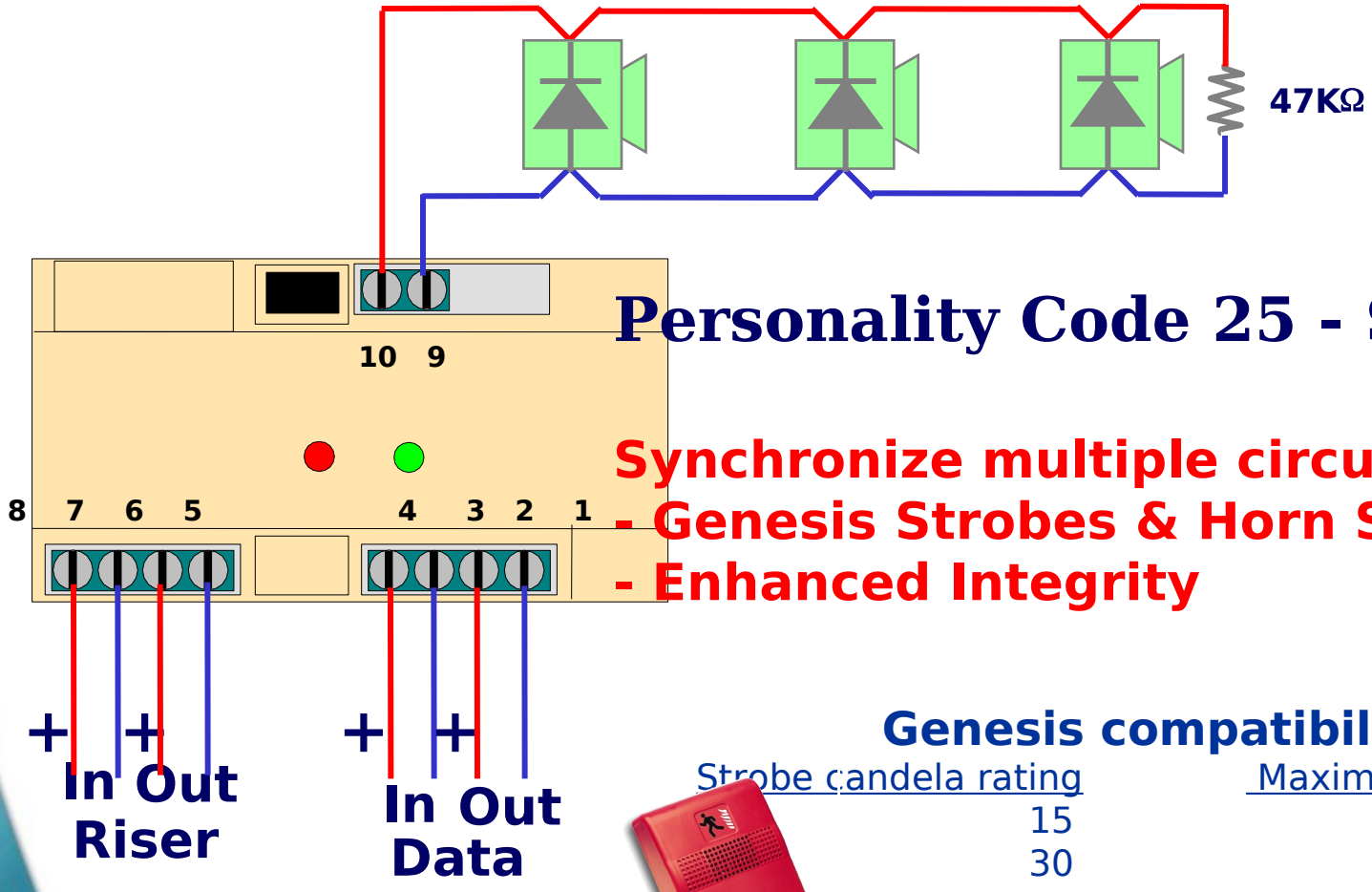
Data Out + -

SIGA-CC1 Single Circuit Control Module



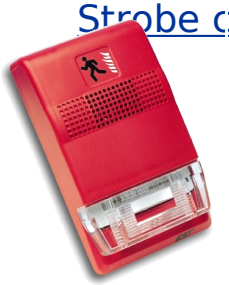
Personality Code 5

SIGA-CC1S Single Synchronized Circuit Control Module



Personality Code 25 - Synchroniz

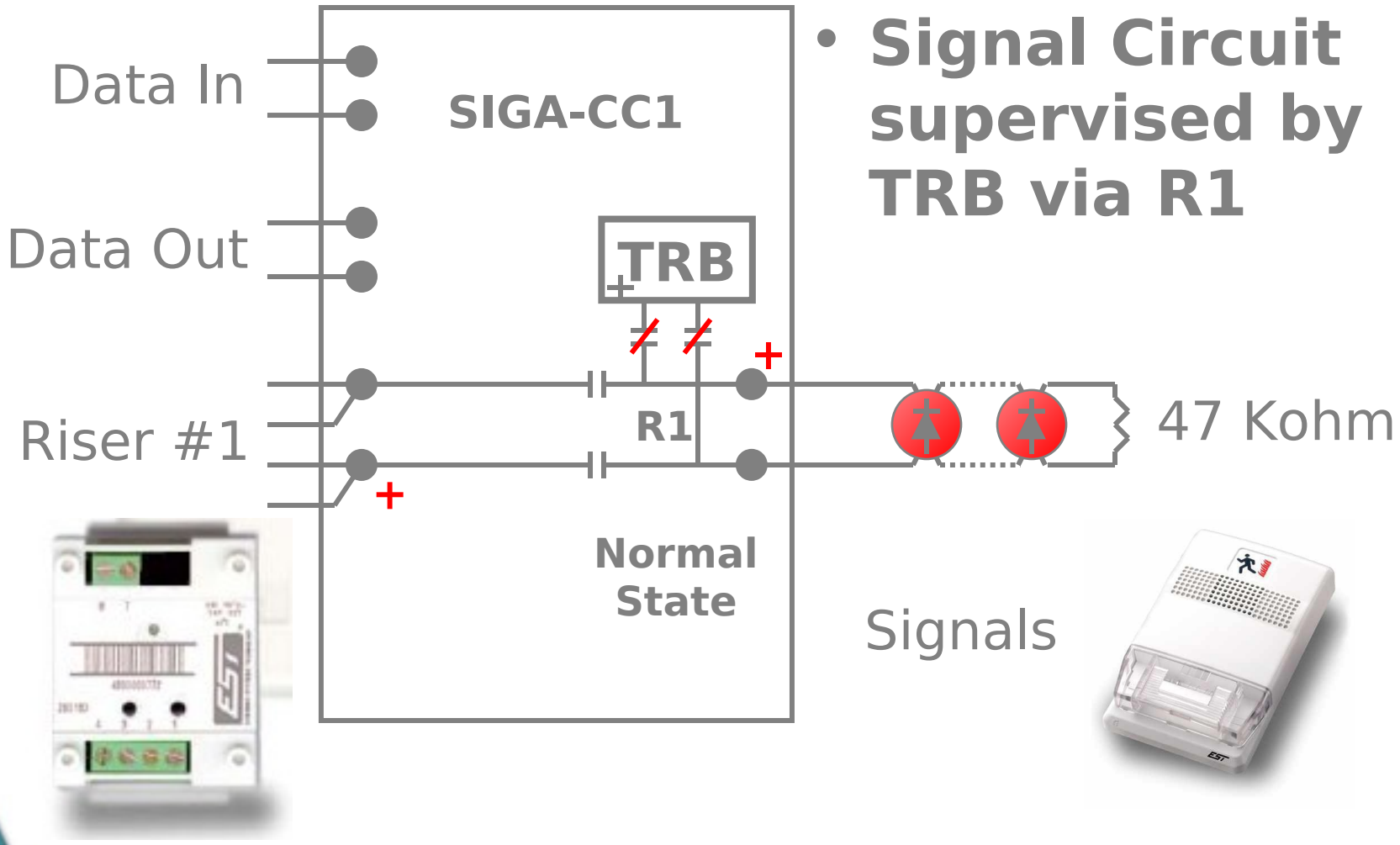
Synchronize multiple circuits (125)
- Genesis Strobes & Horn Strobes
- Enhanced Integrity



Genesis compatibility table

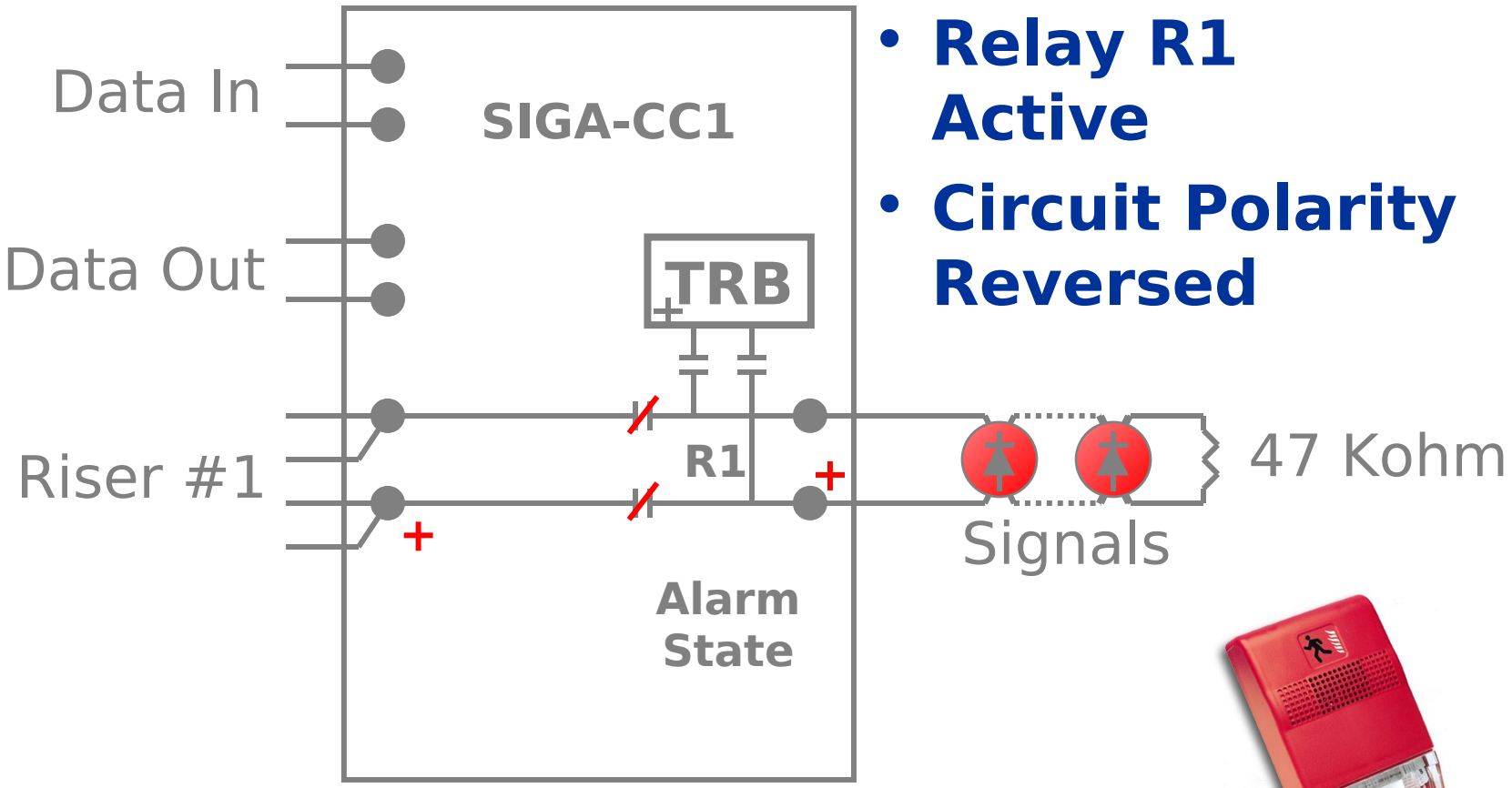
Strobe candela rating	Maximum number of strob
15	29
30	16
60	11
75	10
110	8

SIGA-CC1 in Normal State



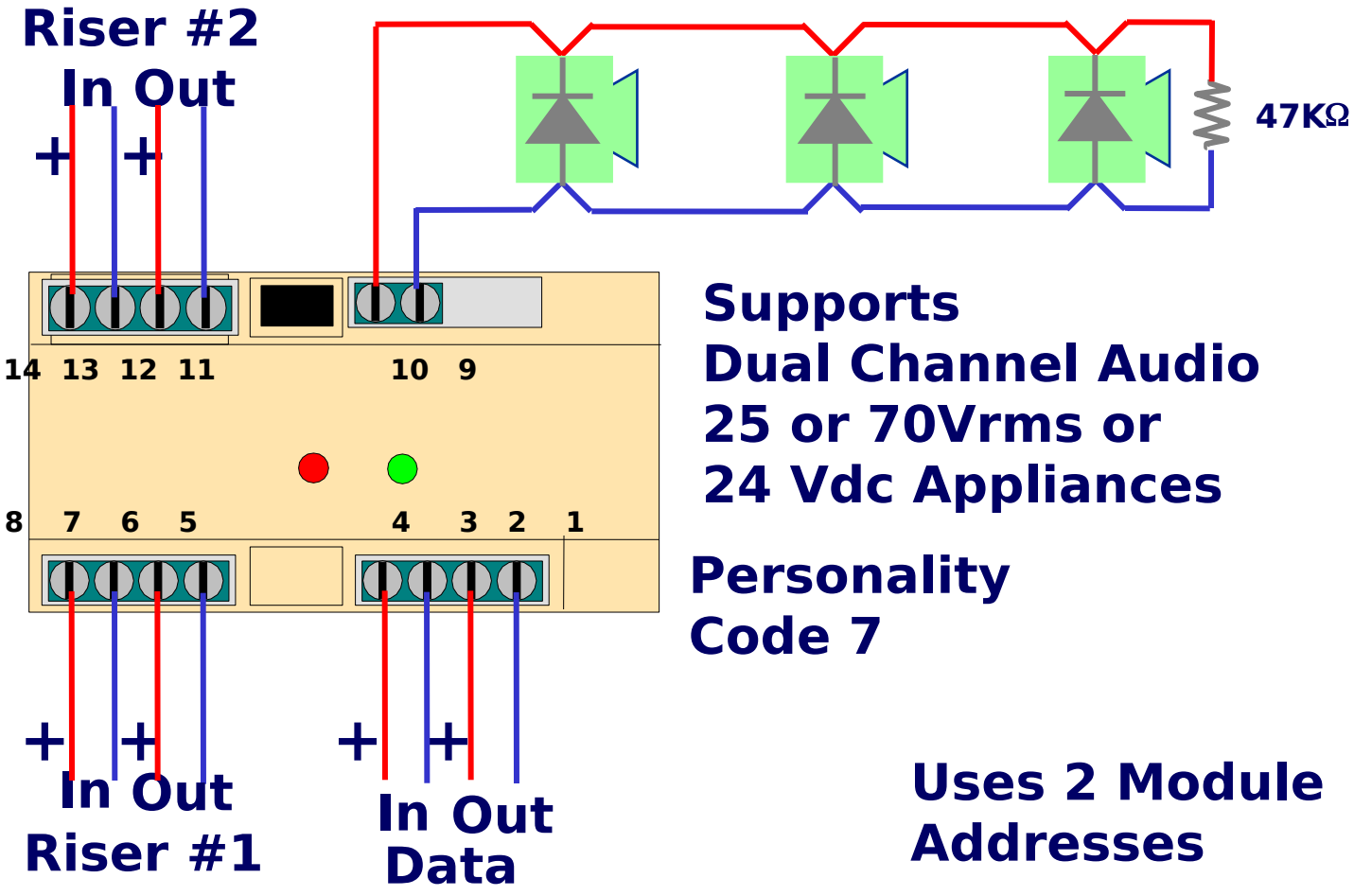
- **Signal Circuit supervised by TRB via R1**

SIGA-CC1 Alarm State



- **Relay R1 Active**
- **Circuit Polarity Reversed**

Dual Riser Control Module

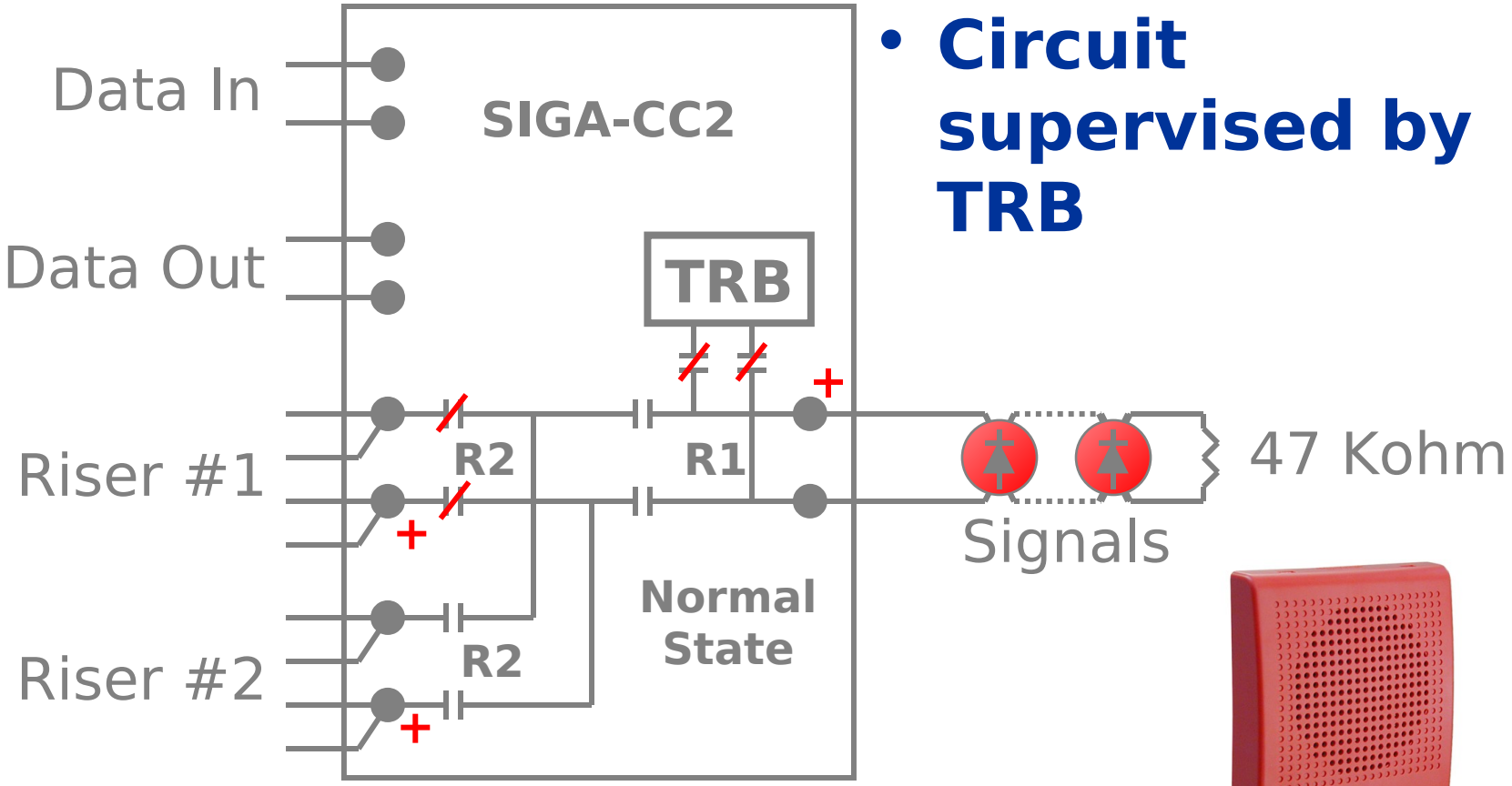


Supports
Dual Channel Audio
25 or 70Vrms or
24 Vdc Appliances

Personality
Code 7

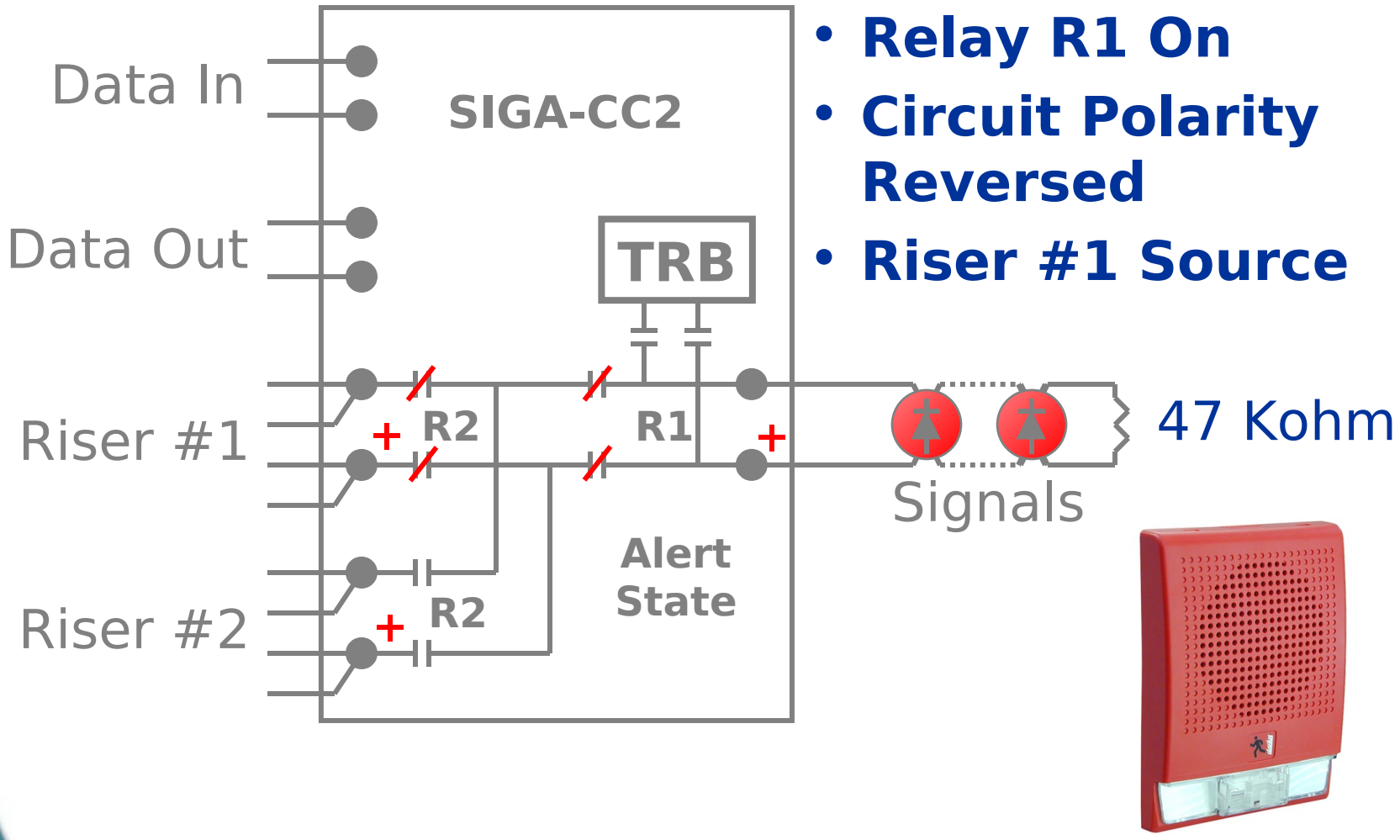
Uses 2 Module Addresses

SIGA-CC2 Normal State



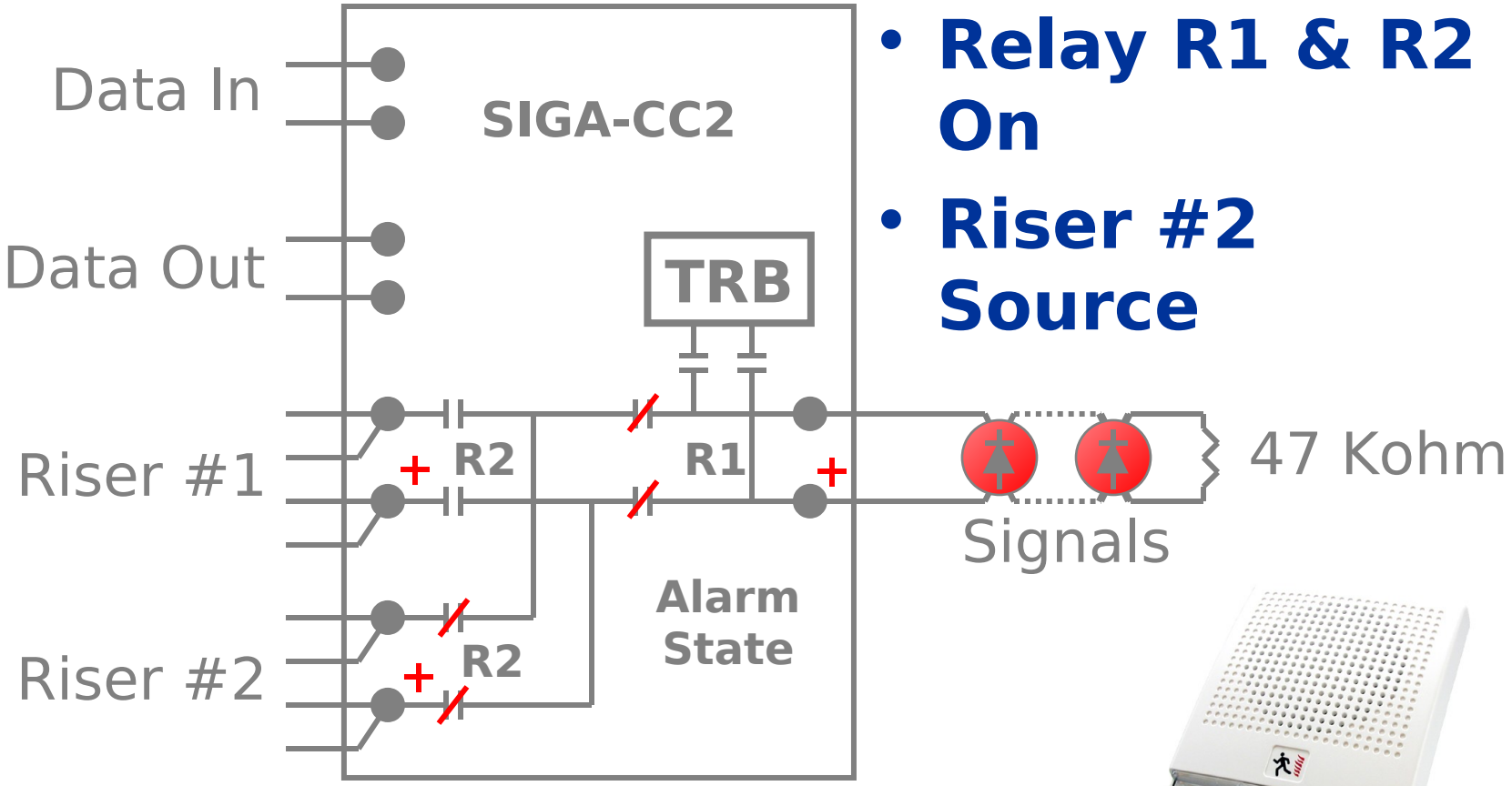
- **Circuit supervised by TRB**

SIGA-CC2 Alert State



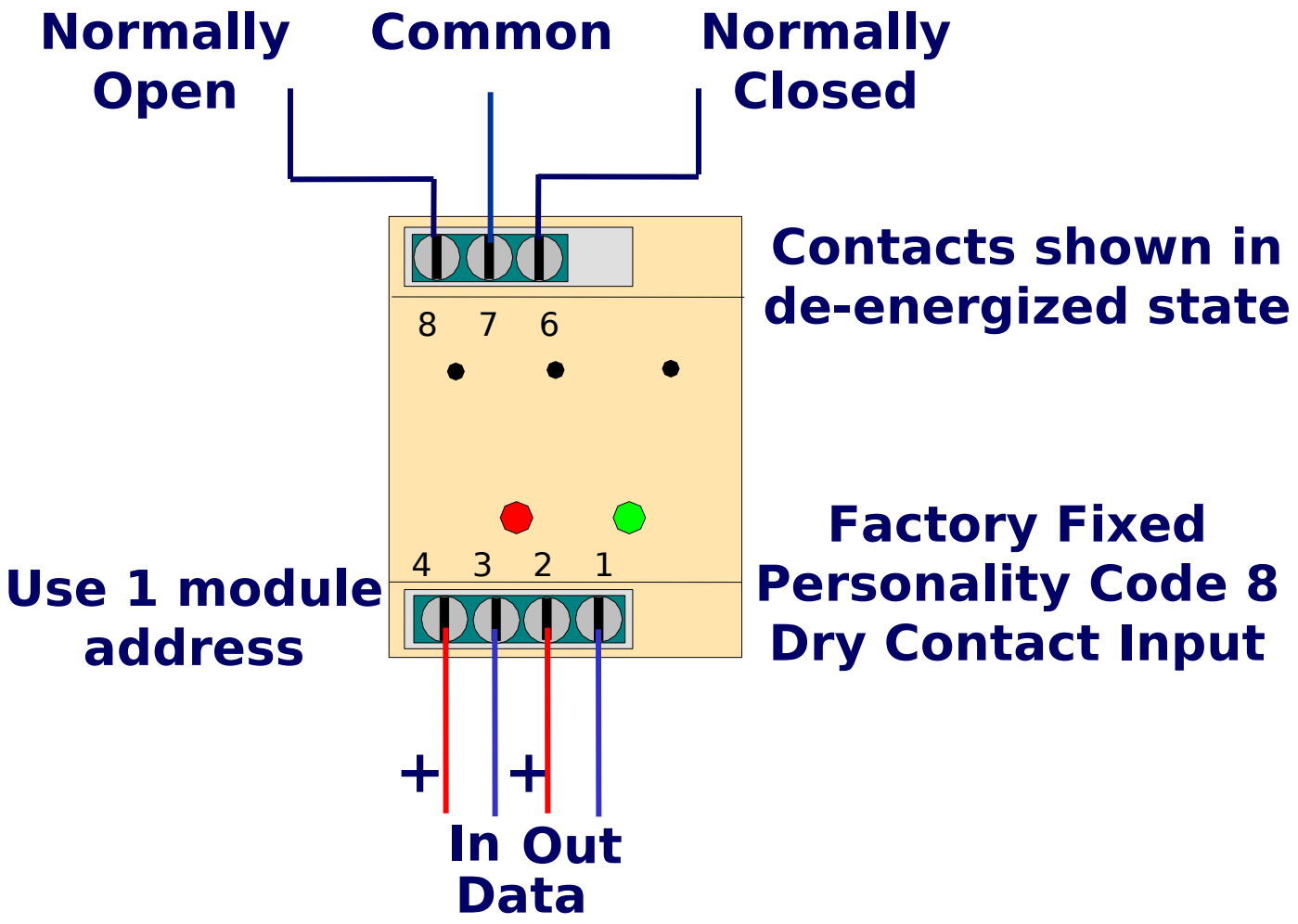
- **Relay R1 On**
- **Circuit Polarity Reversed**
- **Riser #1 Source**

SIGA-CC2 Alarm State

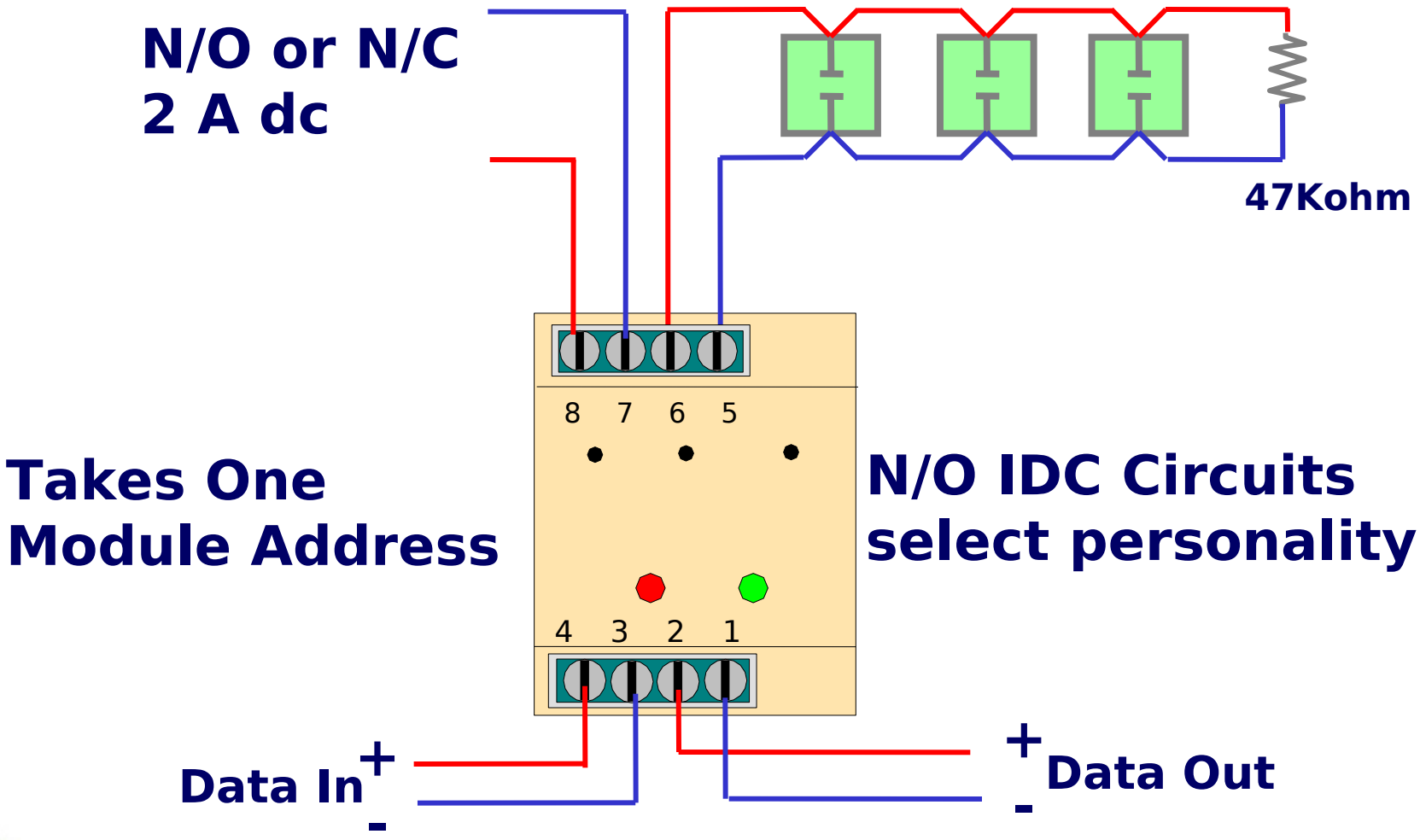


- **Relay R1 & R2 On**
- **Riser #2 Source**

SIGA-CR Control Relay

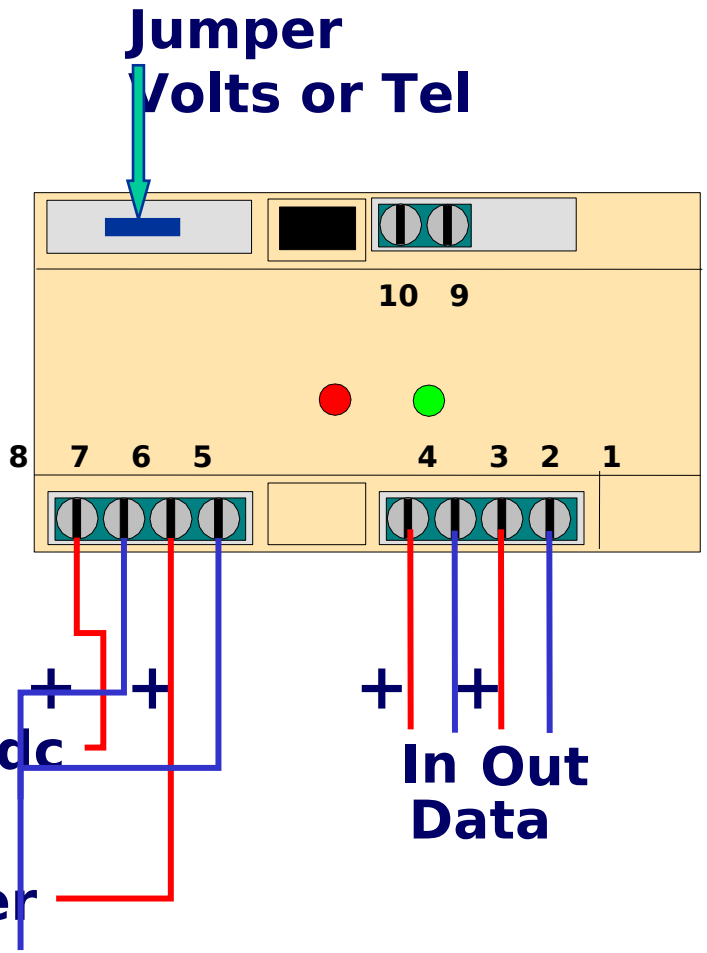


SIGA-IO Wiring Diagram



Riser Monitor Module

- SIGA-RM1or MRM1
- 0- 75 Time Delay



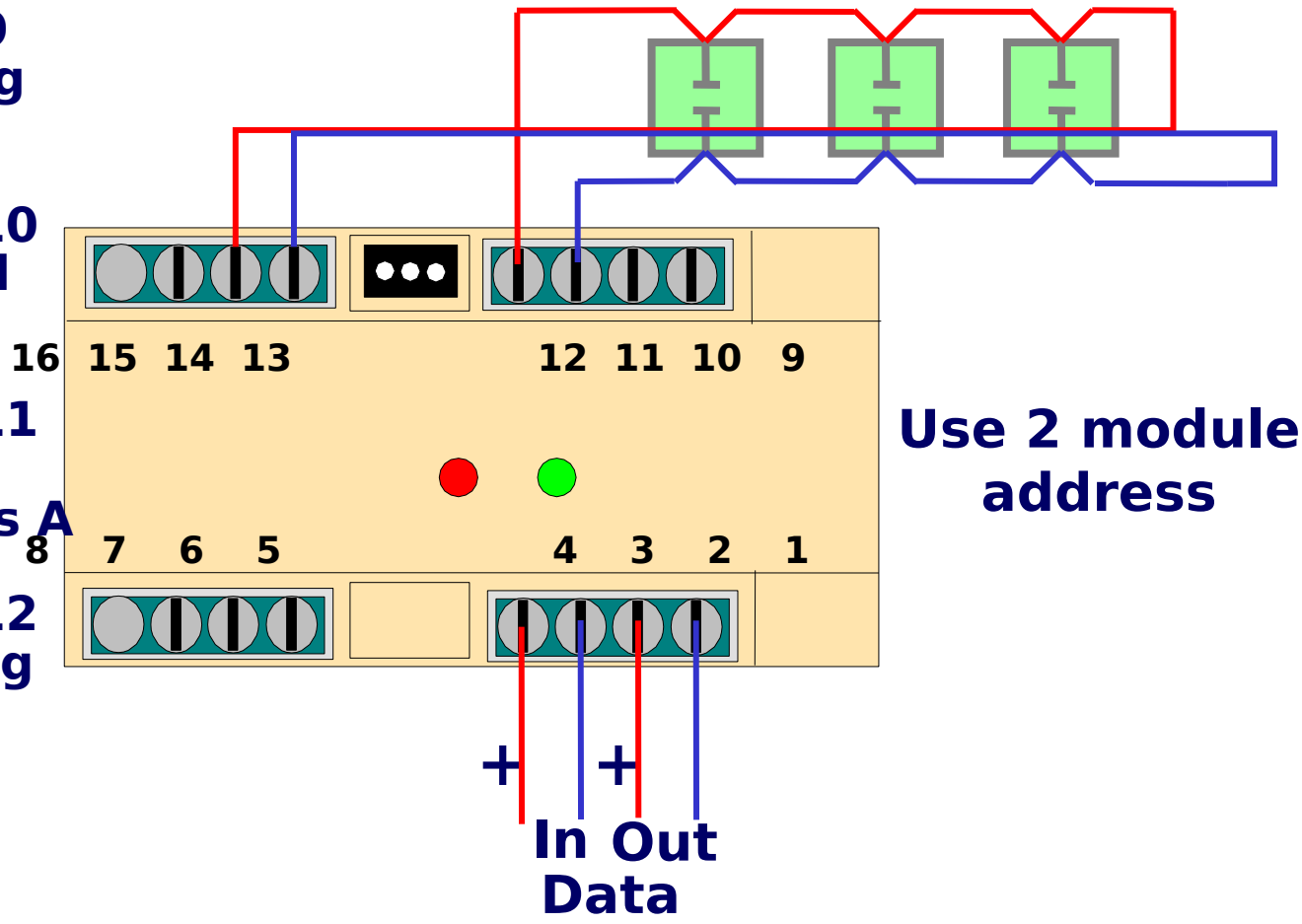
Universal Module as Class ‘A’ Input

Personality Code 9
N/O Alarm Latching Class A

Personality Code 10
N/O Alarm Delayed Latching Class A

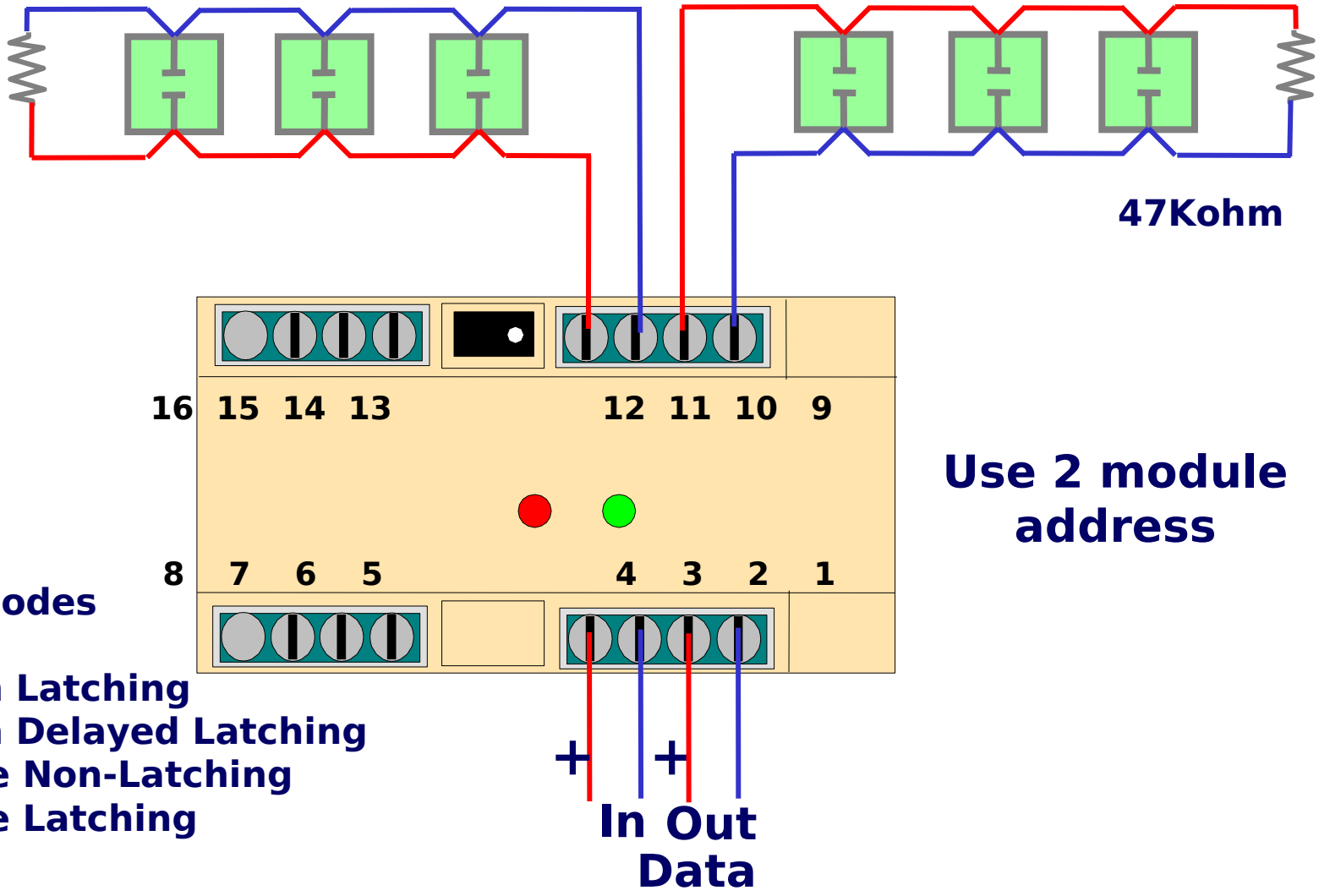
Personality Code 11
N/O Active Non-Latching Class A

Personality Code 12
N/O Active Latching Class A



Use 2 module address

Universal Module as 2 Class ‘B’ Inputs

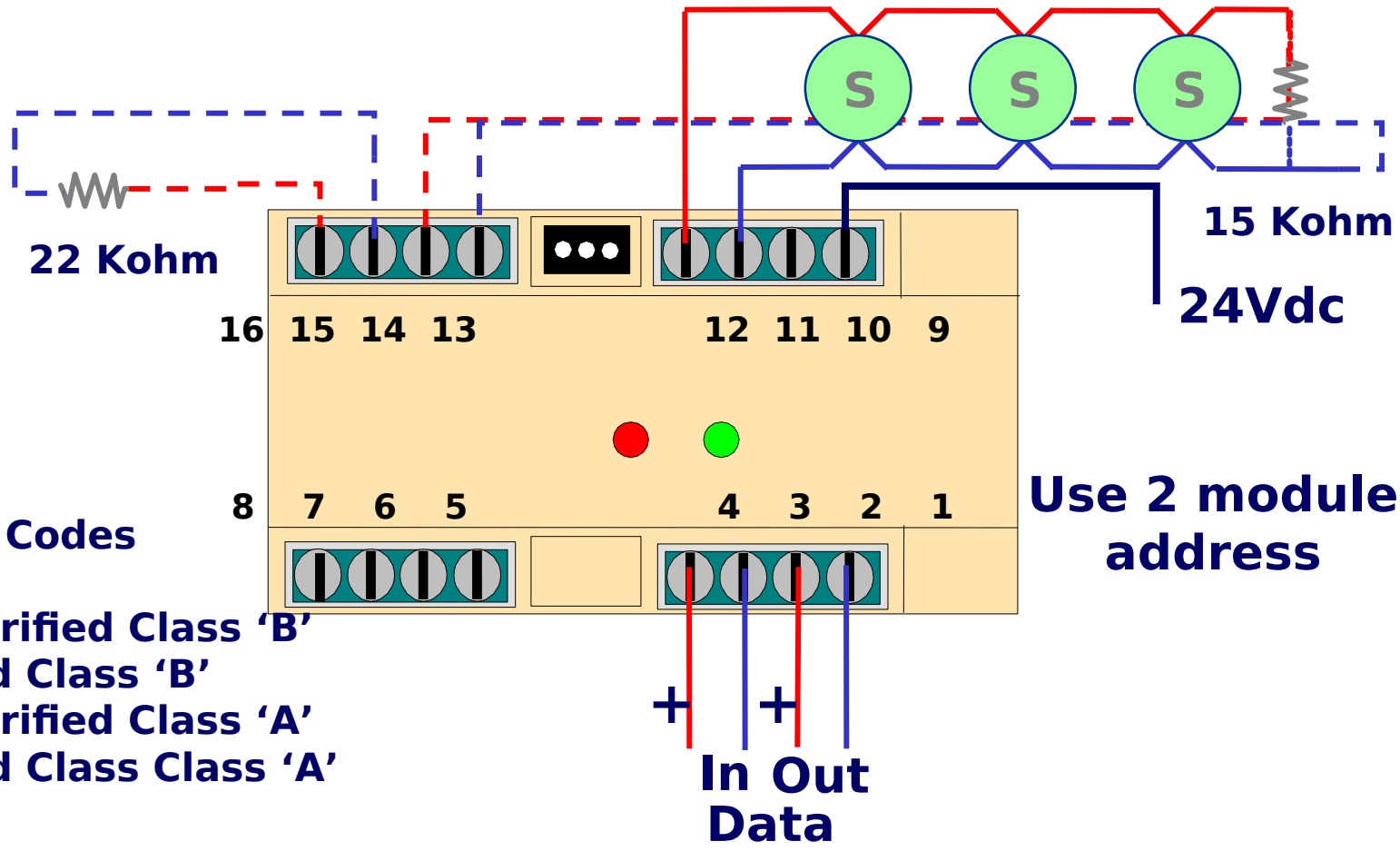


Use 2 module address

Personality Codes

1 - N/O Alarm Latching
2 - N/O Alarm Delayed Latching
3 - N/O Active Non-Latching
4 - N/O Active Latching

Universal Module as Smoke Input



Use 2 module address

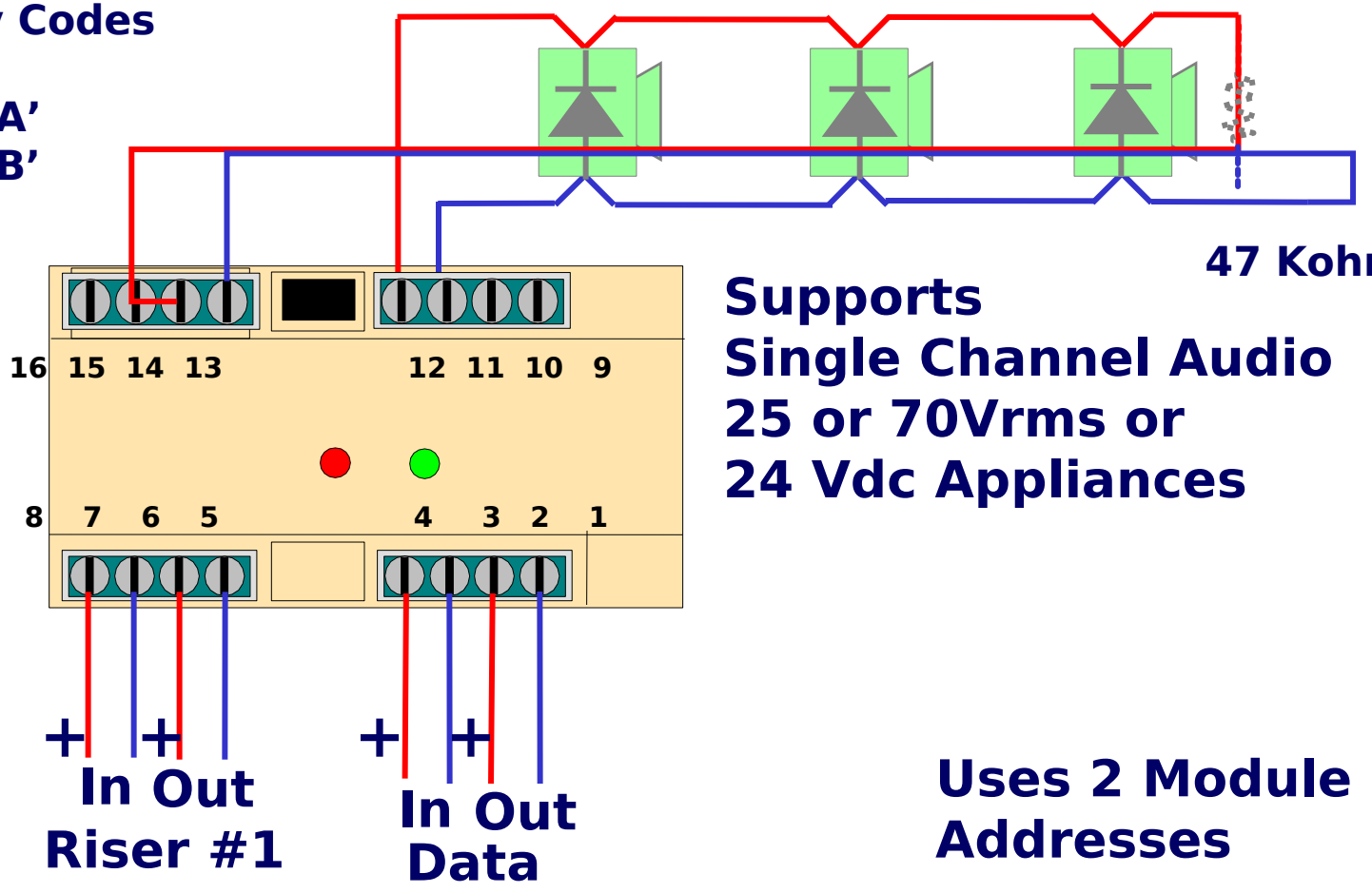
Personality Codes

13 - Non-Verified Class ‘B’
14 - Verified Class ‘B’
20 - Non-Verified Class ‘A’
21 - Verified Class Class ‘A’

Universal Module Class ‘A’ or ‘B’ Output

Personality Codes

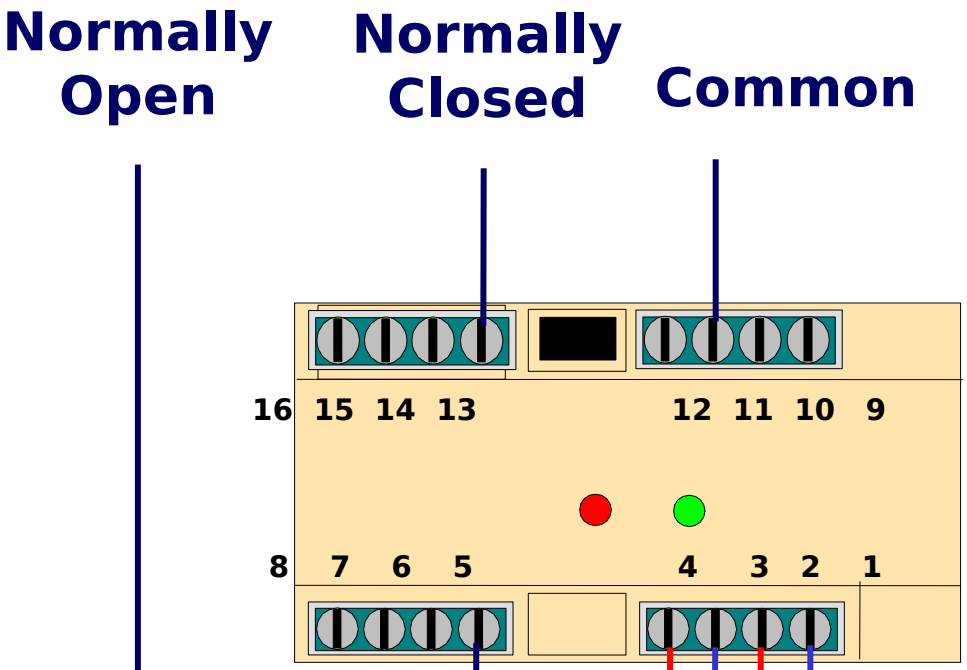
15 - Class ‘A’
16 - Class ‘B’



Supports
Single Channel Audio
25 or 70Vrms or
24 Vdc Appliances

Uses 2 Module Addresses

Universal Module as Contact Relay

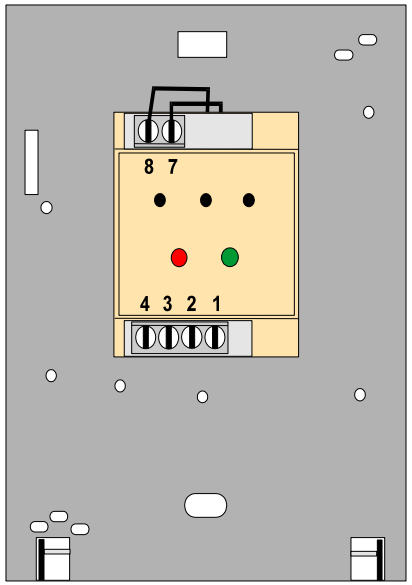


Personality Codes

8 - Contact Relay

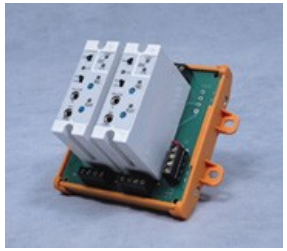
Uses 2 Module Addresses

Rear of Single Stage Pull Station

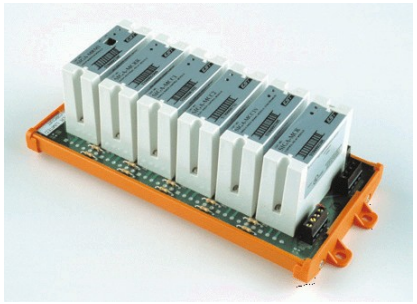


1. Single Action
2. One Module Address
3. Personality Code 1

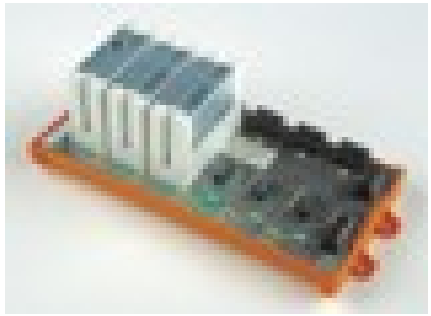
Signature M-Series Modules



UIO-2R



UIO-6



UIO-6R

Signature M-Series Modules

Use where there is a concentration of connections

- **Benefits**
  - **has the effect of reducing data & riser connections by 4 X the number of modules over 1**
  - **has the effect of reducing box installation by 1 X the number of modules over 1**

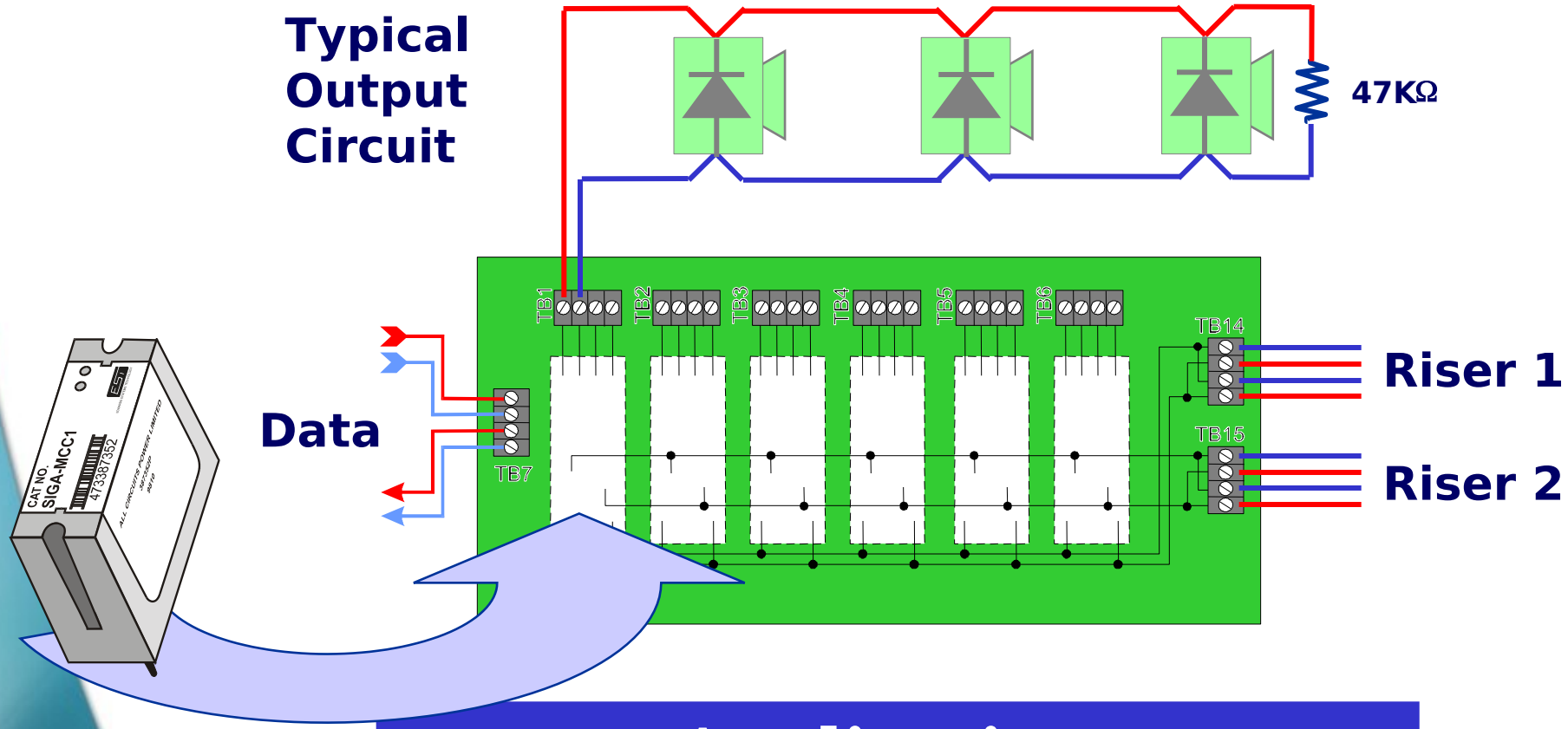
Example: 6 SIGA-MCC2

- **MCC2**
  - Data = 4
  - Riser #1 = 4
  - Riser #2 = 4
  - Zone Ckts = 12
- **Total = 24**
- **Box = 1**

- **CC2**
  - Data = 24
  - Riser #1 = 24
  - Riser #2 = 24
  - Zone Ckts =12
- **Total = 84**
- **Boxes = 6**

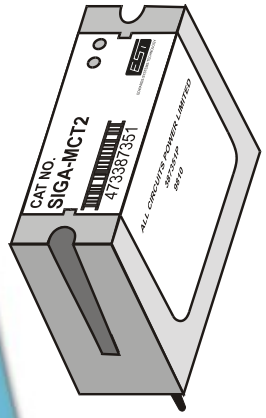
Saving 60 Connections & 5 Electrical Boxes

SIGA-UIO6 Motherboard (Audio)

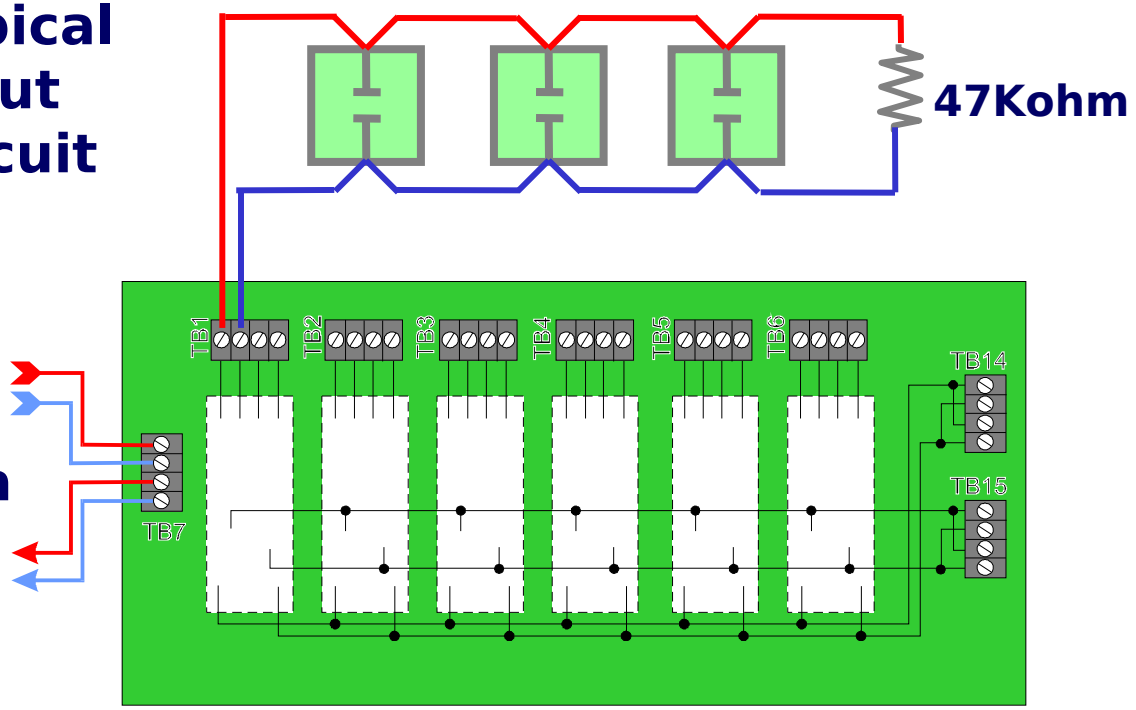


Application:
Zoning 1 or 2 Channel Audio

SIGA-UIO6 Motherboard (Input)

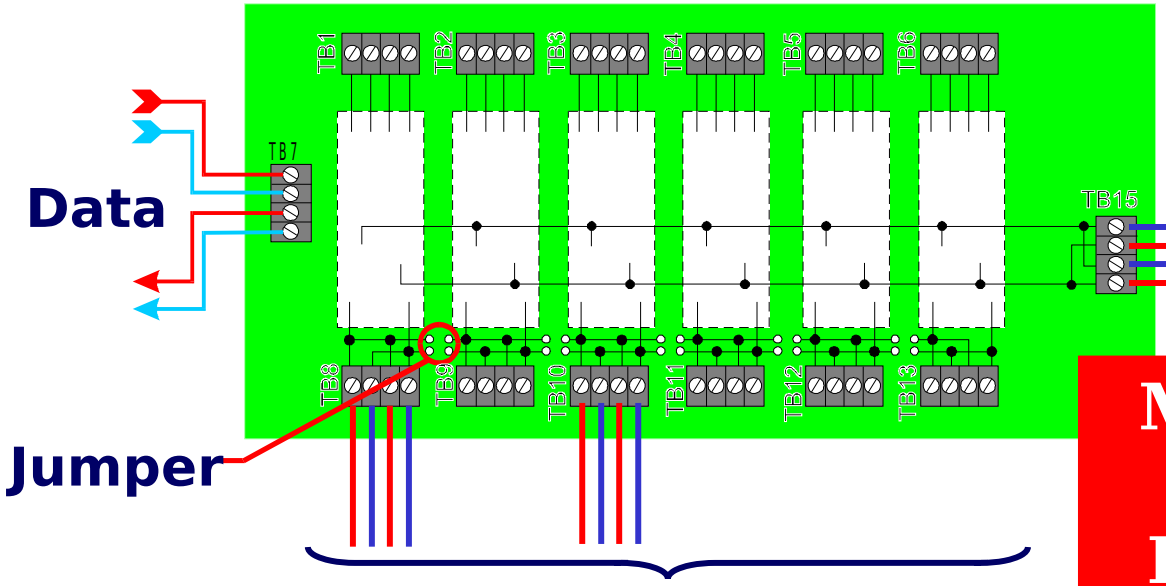


Typical Input Circuit



Applications: Fire Pump Room, Panel Replace, BMS/EMS Interface

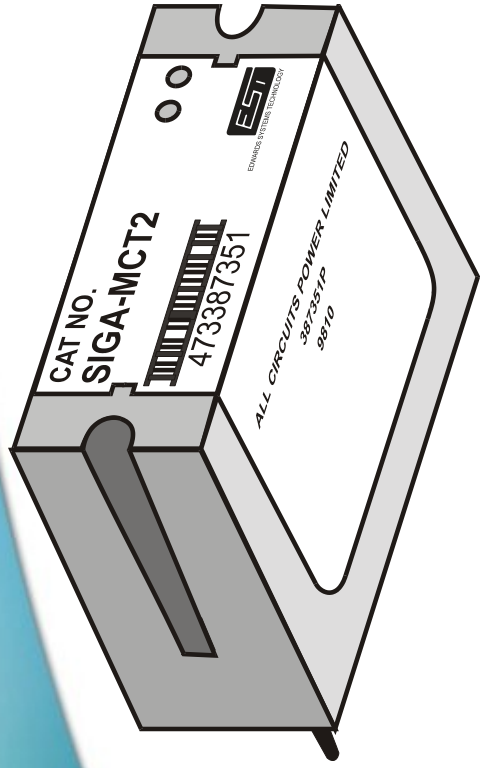
SIGA-UIO6R Motherboard



Maximum Riser Input = 8 Amps

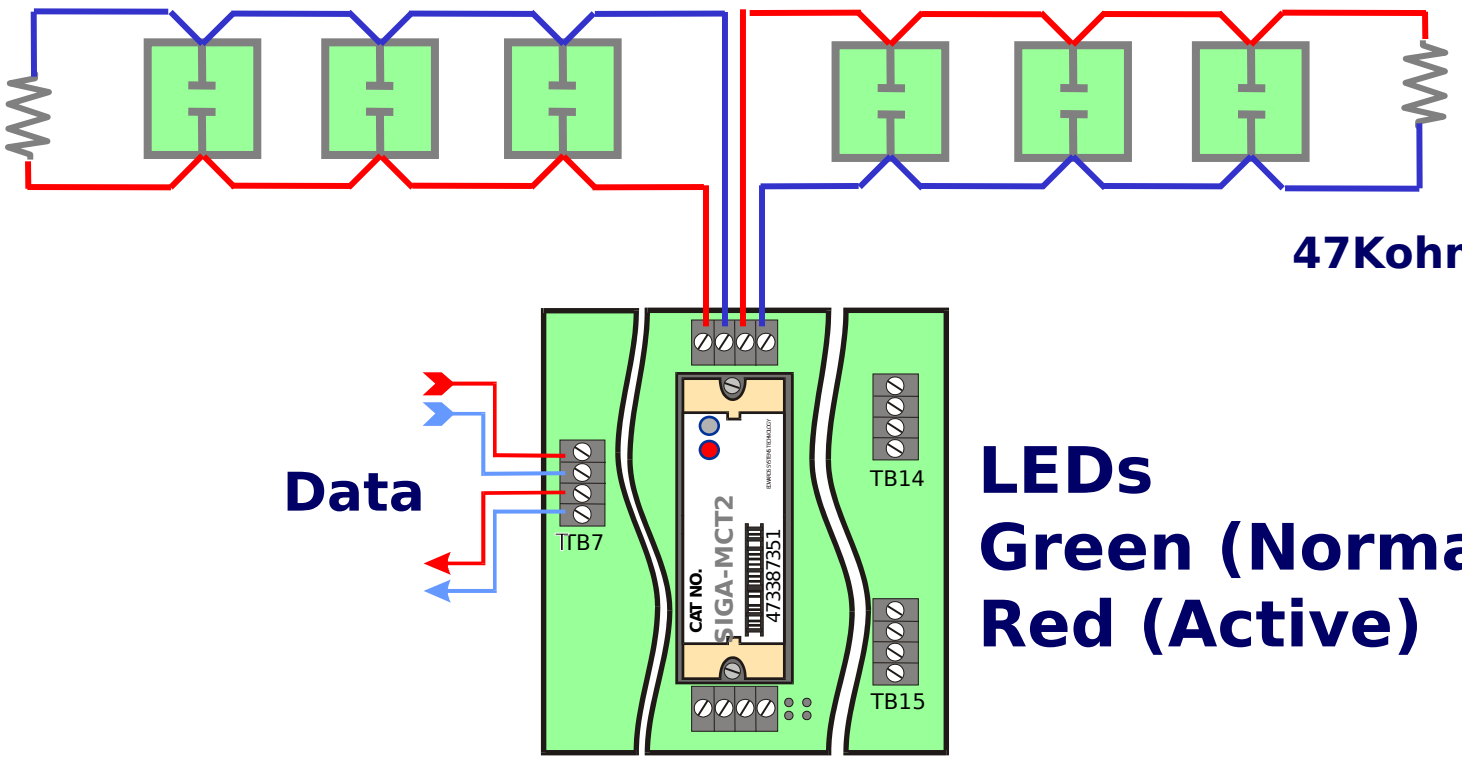
Applications:
High Power Needs - Strobes

Signature MCT2

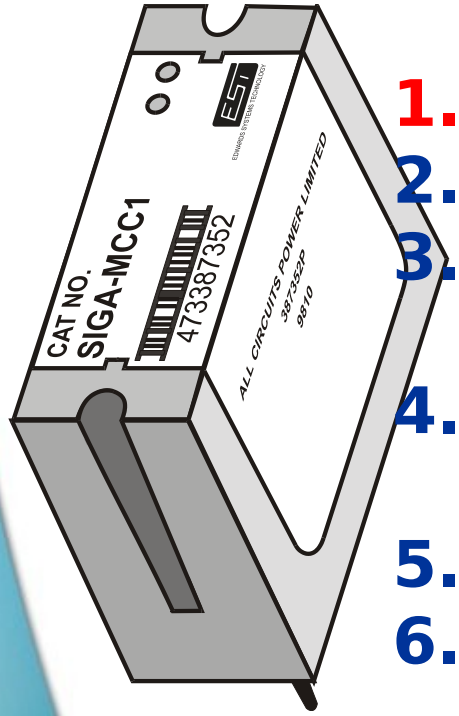


- **1. Dual Input Module.**
- **2. Requires 2 Module Addresses.**
- **3. Monitors two N/O dry contact initiating Device Circuits.**
- **4. Class B inputs only.**
- **5. Will not monitor 2-wire smokes.**
- **6. Accepts Personality Codes 1, 2, 3, and 4.**
- **7. Each input circuit requires a 47Kohm EOL.**

Signature MCT2 Wiring

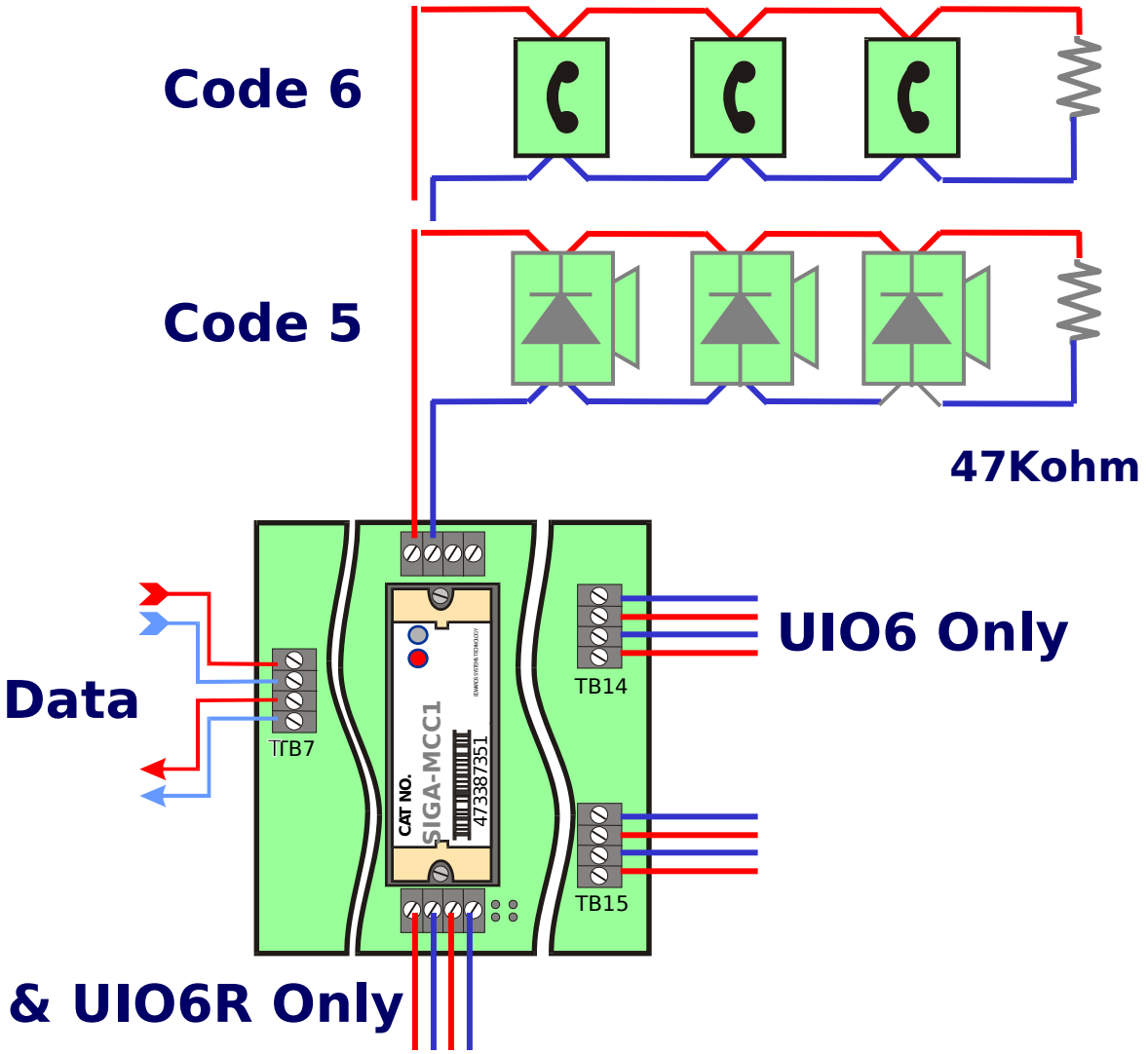


Signature MCC1

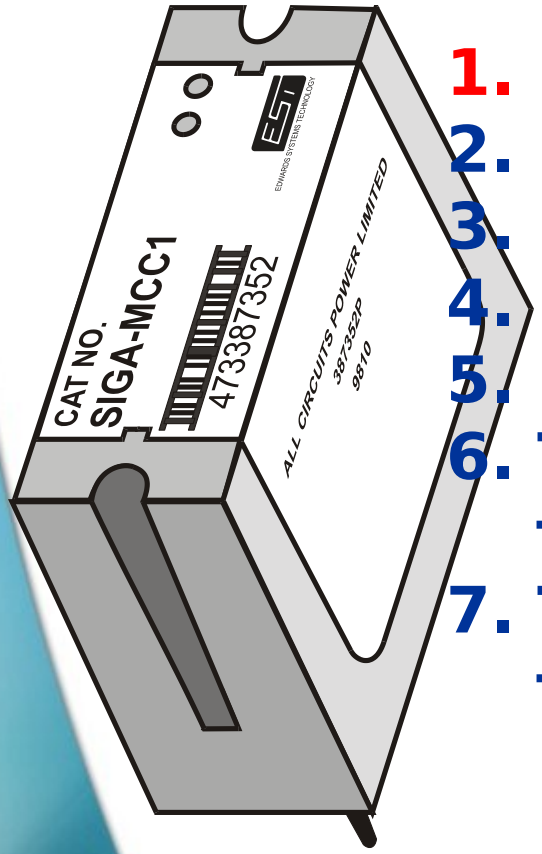


1. **Single Input Signal Module.**
2. **Takes one module address.**
3. **Supports either 24VDC NAC or Audio Circuits, Personality Code 5.**
4. **Supports Firefighter's Telephone Applications, Personality Code 6.**
5. **Class B only.**
6. **Output circuit requires 47Kohm EOL.**

Signature MCC1 Wiring

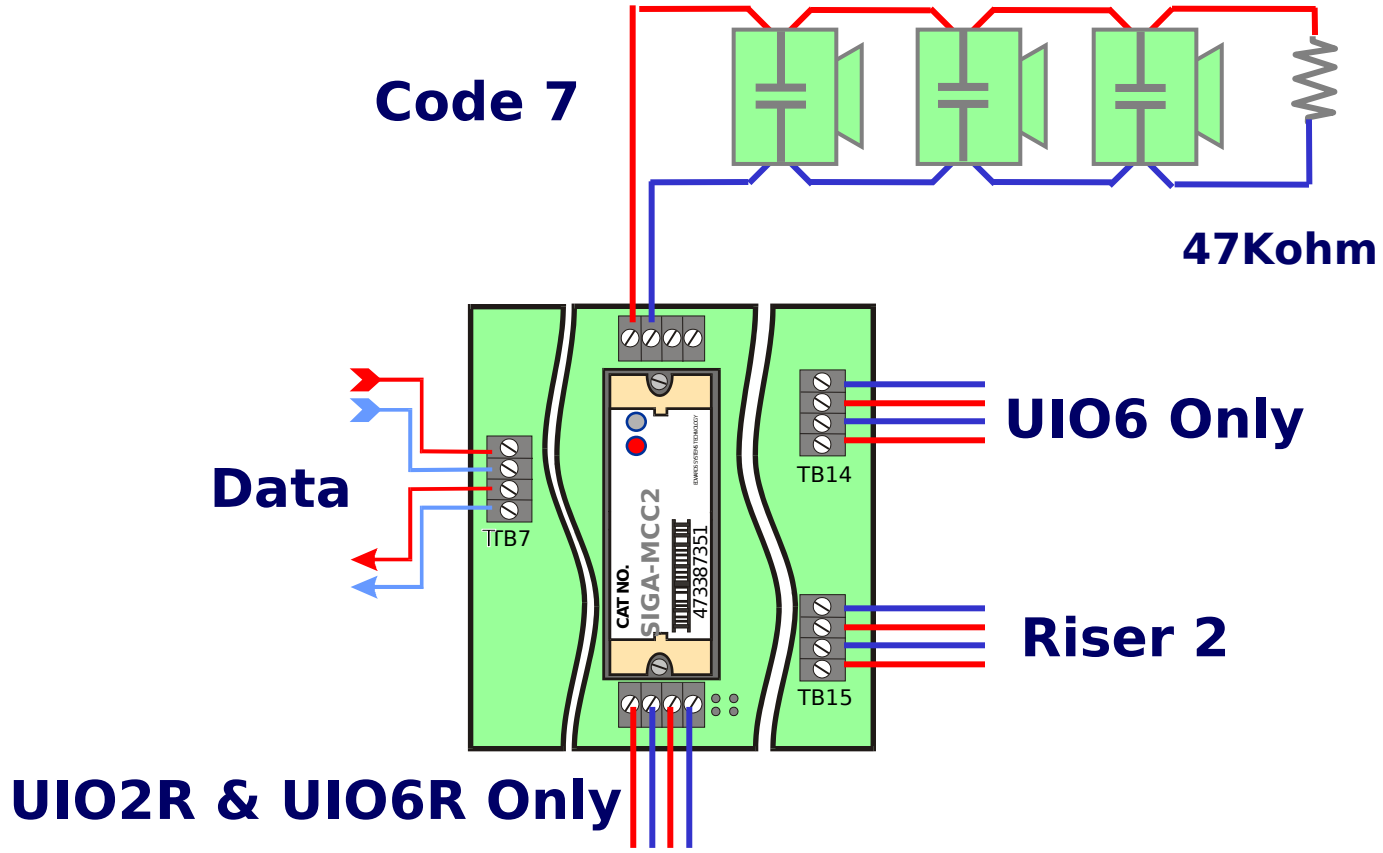


Signature MCC2

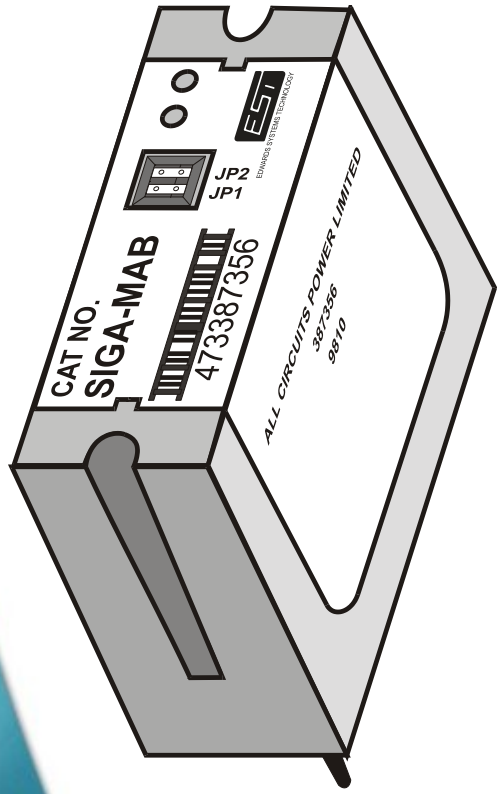


1. **Dual Input Signal Module.**
2. **Requires two module addresses.**
3. **Personality Code 7 to both addresses**
4. **Ideal for dual channel operations.**
5. **May also support 24VDC NAC circuits**
6. **To switch input 1 to the output circui**
   turn on the first address.
7. **To switch input 2 to the output circui**
   turn on both addresses.

Signature MCC2 Wiring



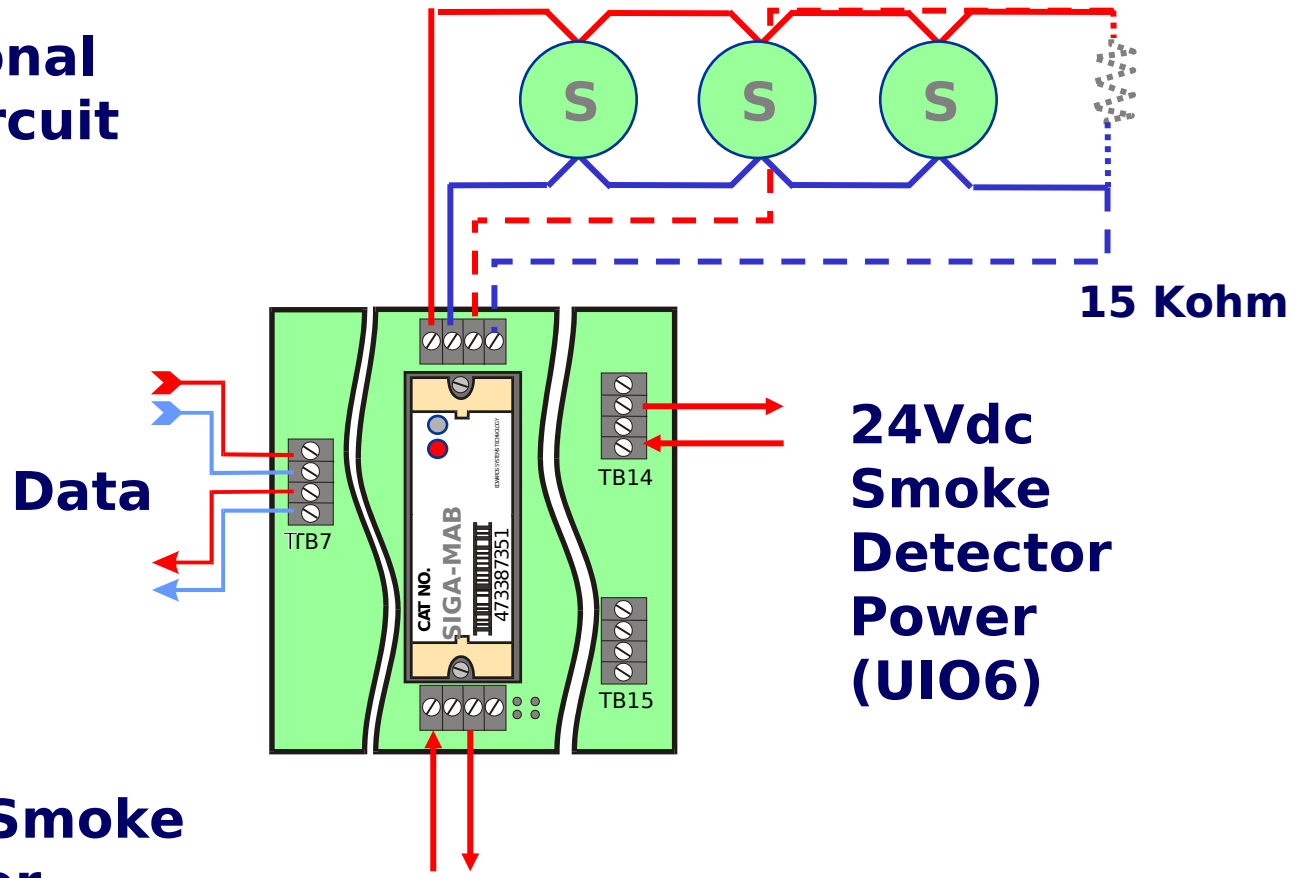
Signature MAB



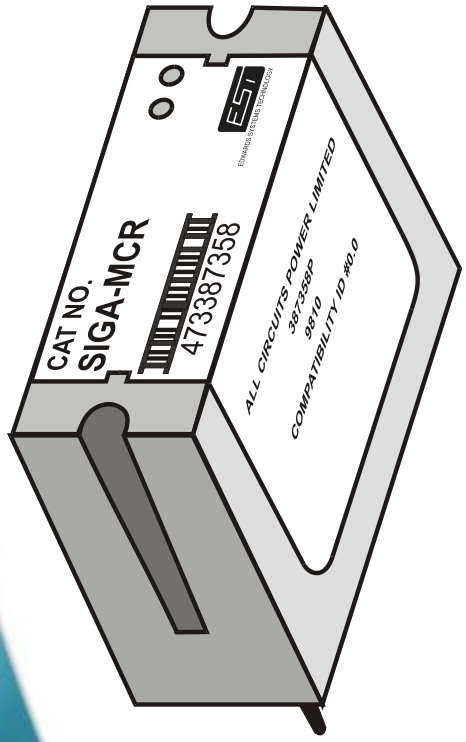
1. Class A/B, Input/Output Module
2. Class A/B IDC circuits.
3. Class A/B NAC circuits.
4. Class A/B 2-Wire Smoke IDC.
5. Takes two module addresses.
6. Personality Code determined by configuration.
7. EOL determined by configuration.

Signature MAB Wiring

Conventional Smoke Circuit Shown

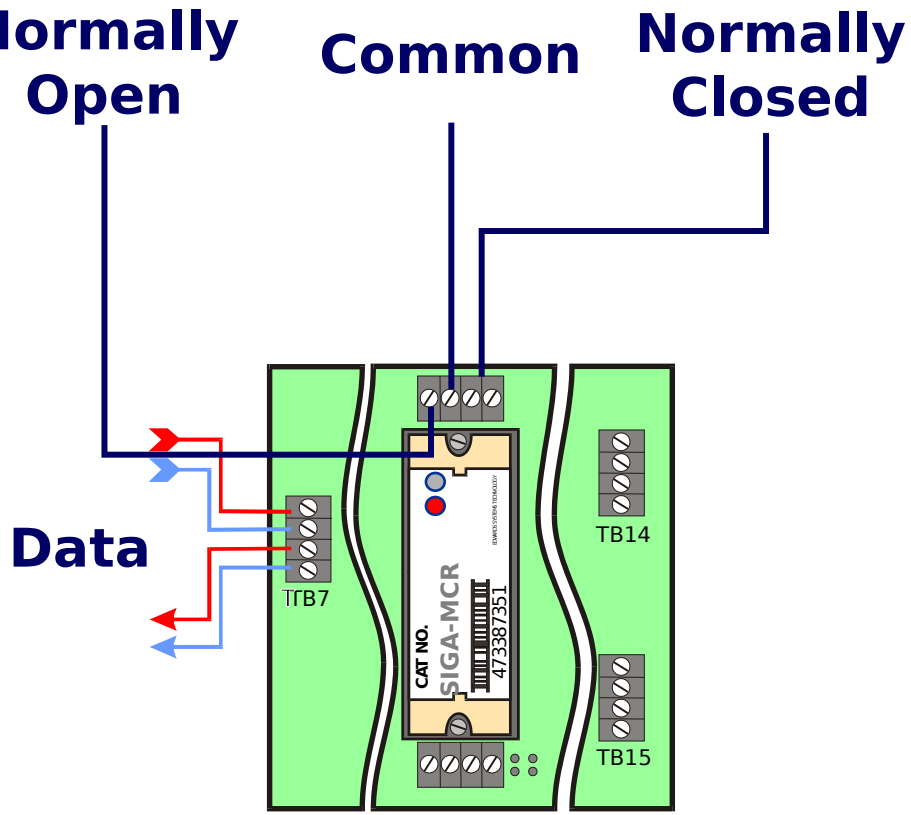


Signature MCR

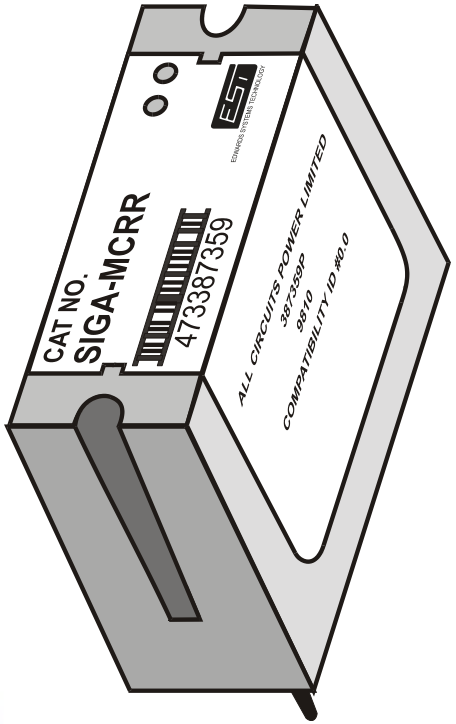


1. Control Relay
2. Addressable Form C dry contact relay.
3. Requires one module address.
4. Personality Code 8
5. Primarily used for equipment control.

Signature MCR Wiring

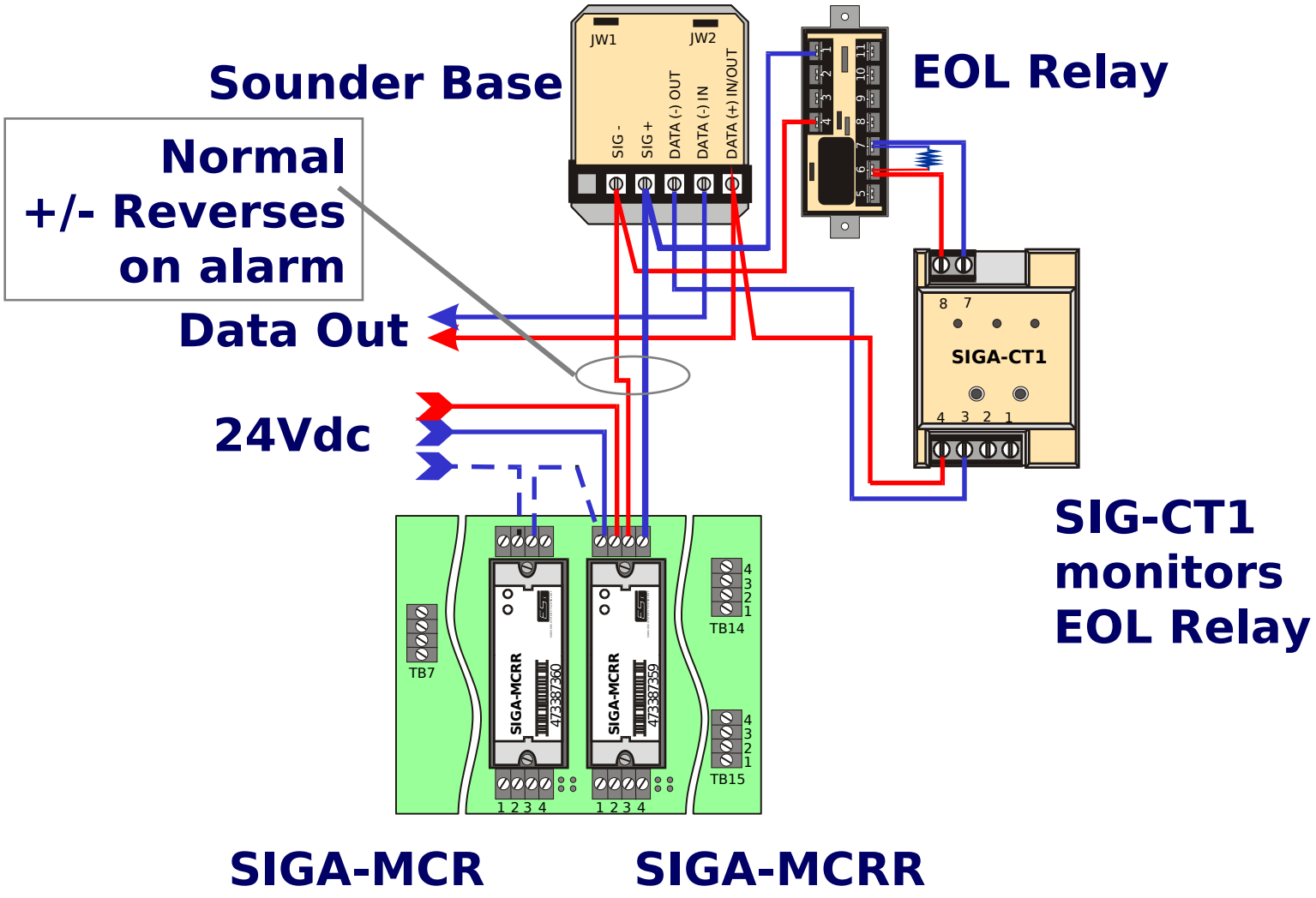


Signature MCRR



1.Control Reversing Relay
2. Used to power and activate
SIGA-AB4 audible bases.
3. Requires one module address.
4. Personality Code 8
5. Energizing reverses the 24VDC output.

Signature MCRR Wiring



Signature Modules

Input / Output

Electrical Box Mount / UIO Style

Thank You!